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# ARCHITECTS' & ENGINEERS' BUILT-UP ROOFING REFERENCE SERIES

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## VOLUME III ROOF FLASHING SYSTEM

PUBLISHED BY

The *Barrett* Company



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ARCHITECTS'  
AND  
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BUILT-UP ROOFING  
REFERENCE SERIES

VOLUME III  
ROOF FLASHING  
SYSTEM

PUBLISHED BY

The *Barrett* Company

40 Rector Street, New York, N. Y.



# CONTENTS



## ROOF FLASHING SYSTEM (Classified According to Wall Construction)

### BRICK WALLS

	<i>Pages</i>
Barrett Flashing Block . . . . .	4
“ “ “ Method of installing in brick walls . . . . .	5
“ “ “ “ “ “ flashing . . . . .	6
“ “ “ “ “ “ block and flashing in conjunction with promenade tile roof . . . . .	7
“ “ “ In combination with Barrett Flashing Form . . . . .	8
Specification for installing Barrett Block and Flashing . . . . .	9
Metal cap and base flashing . . . . .	24
Specification:—Metal cap and base flashing . . . . .	25

### CONCRETE WALLS

Barrett Flashing Form . . . . .	10
“ “ “ Method of attaching to wall form . . . . .	11
“ “ “ “ “ installing in concrete walls . . . . .	12
“ “ “ “ “ “ flashing . . . . .	13
“ “ “ In combination with Barrett Flashing Block . . . . .	14
Specification for installing Barrett Form and Flashing . . . . .	15

### CURBS

Barrett Flashing Form—Concrete curbs . . . . .	16
Specification for installing Barrett Form and Flashing . . . . .	17
Barrett Felt and Elastigum Flashing—Concrete and wood skylight curbs . . . . .	18
Specification for installing Barrett Felt and Elastigum Flashing—Skylight curbs . . . . .	19
Barrett Felt and Elastigum Flashing—Concrete and wood monitor curbs . . . . .	20
Specification for installing Barrett Felt and Elastigum Flashing—Monitor curbs . . . . .	21
Barrett Felt and Elastigum Flashing—Concrete and wood sawtooth curbs . . . . .	22
Specification for installing Barrett Felt and Elastigum Flashing—Sawtooth curbs . . . . .	23

### EAVES AND EDGES

Method of flashing—flat roofs . . . . .	26
“ “ “ steep roofs . . . . .	27

### OUTLETS AND VENTS

Method of flashing . . . . .	28
------------------------------	----

### SUPPORTS, FLAGPOLES AND REINFORCING RODS

Method of flashing . . . . .	29
------------------------------	----

### CONNECTING FLAT AND STEEP ROOFING

Method of flashing . . . . .	30
------------------------------	----



# SERVICE



HIS book contains complete specifications and detailed drawings of Roof Flashings.

It is the THIRD of a series, which treats with the following subjects:

- VOLUME I—FLAT ROOF SPECIFICATIONS
- VOLUME II—STEEP ROOF SPECIFICATIONS
- VOLUME III—ROOF FLASHING SYSTEM
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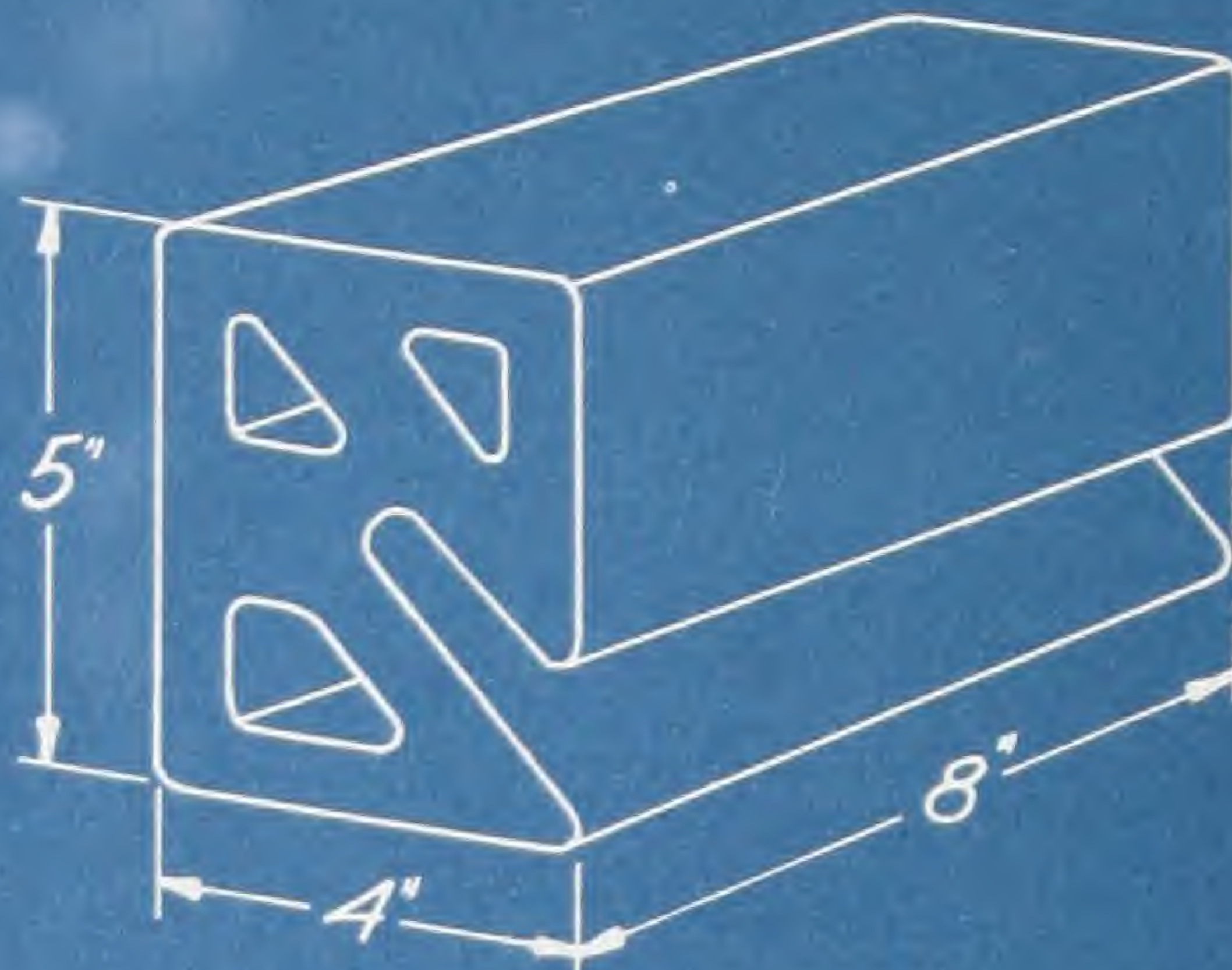
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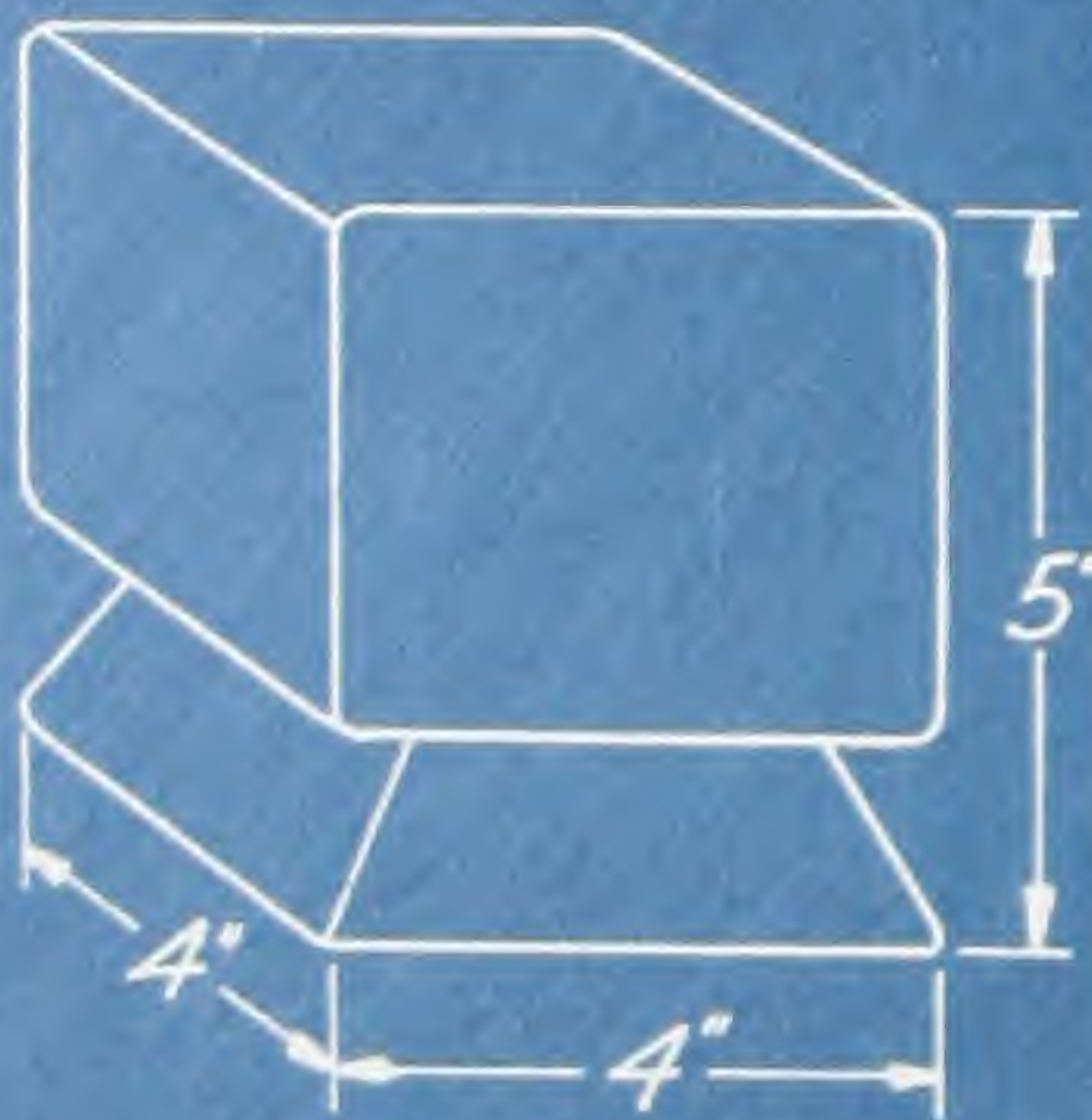
## BARRETT FLASHING BLOCK

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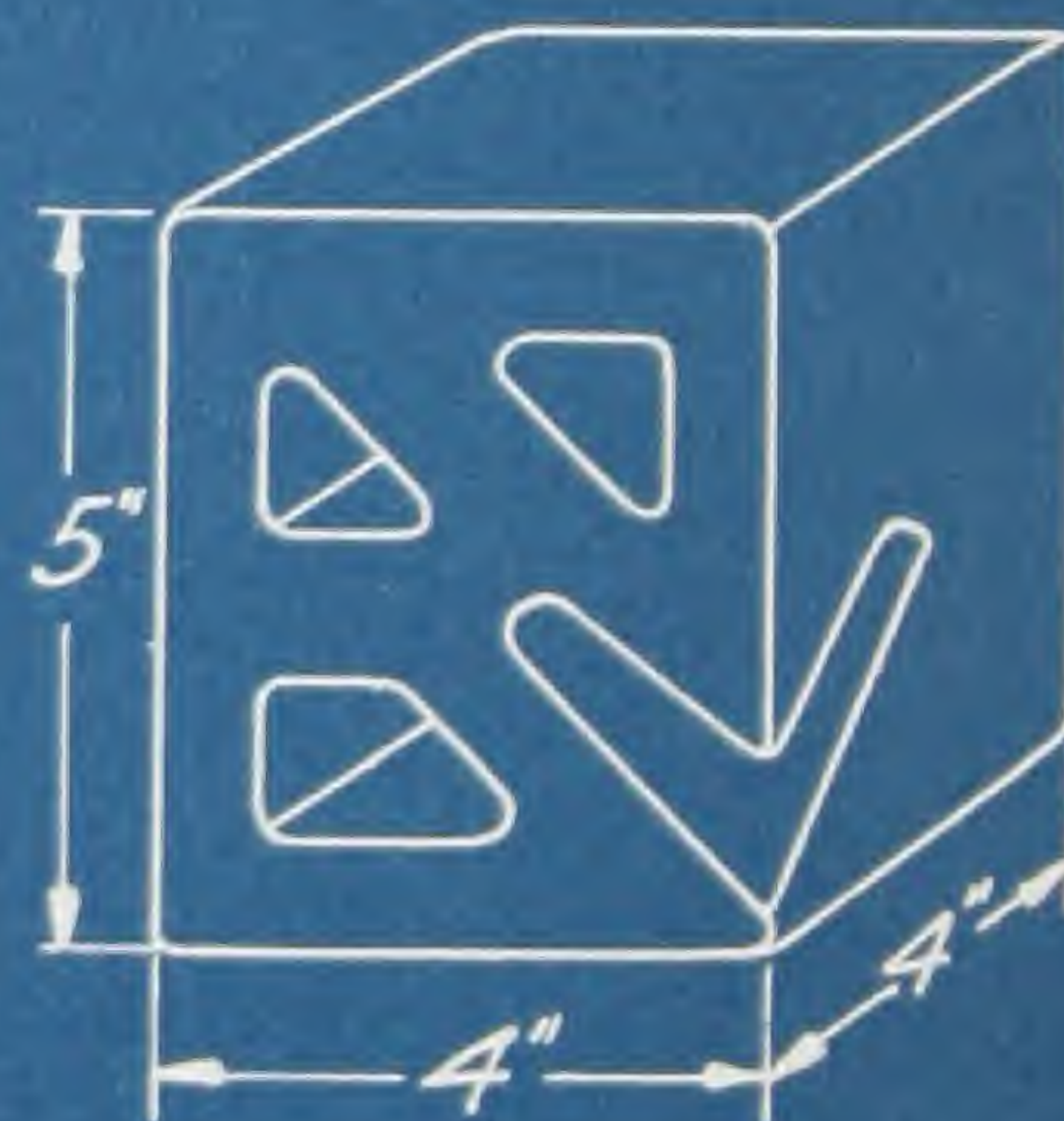


Straight Block.



Outside Corner.

Straight Barrett Flashing Block are 8" long 5" high & 4" wide & displace two courses of brick when set in wall. Inside & Outside Corner Blocks 4" long 5" high & 4" wide are provided for making right angle turns. The flashing groove extends in the block to a depth of 2" from the face is  $\frac{5}{8}$ " wide at the opening &  $\frac{1}{2}$ " wide at the upper extremity.

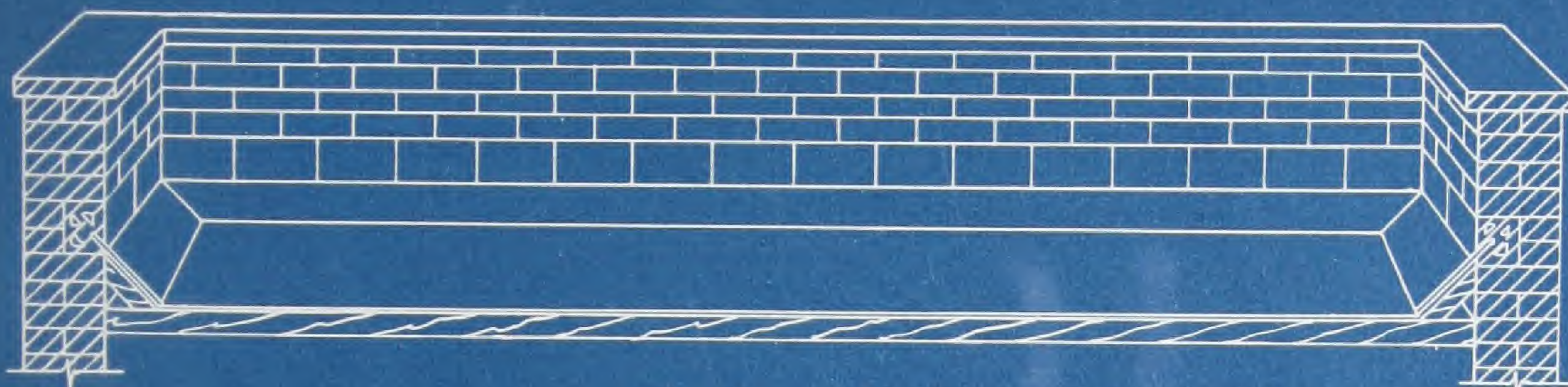


Inside Corner.

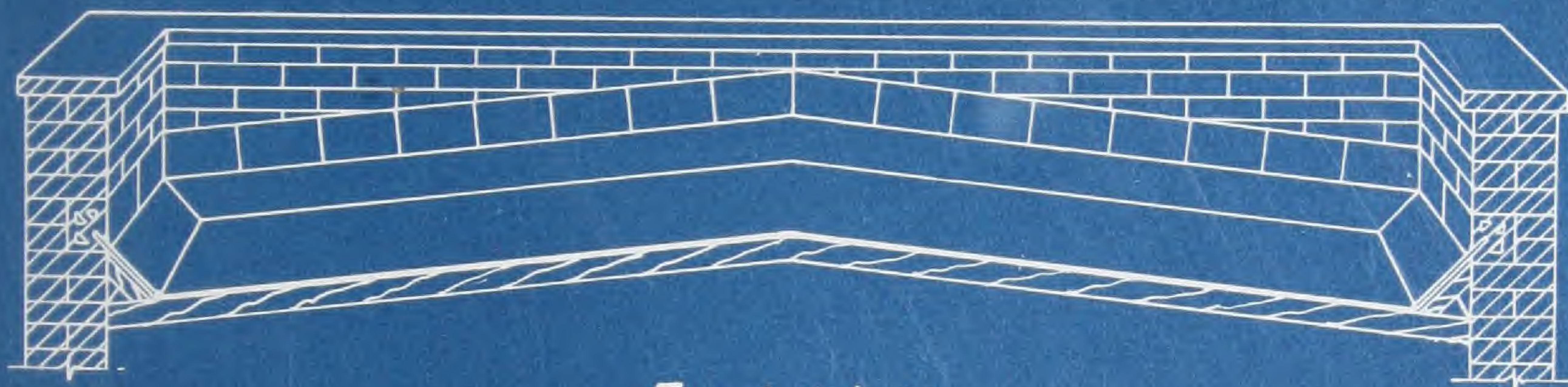


METHOD OF INSTALLING  
FLASHING BLOCK IN BRICK WALL

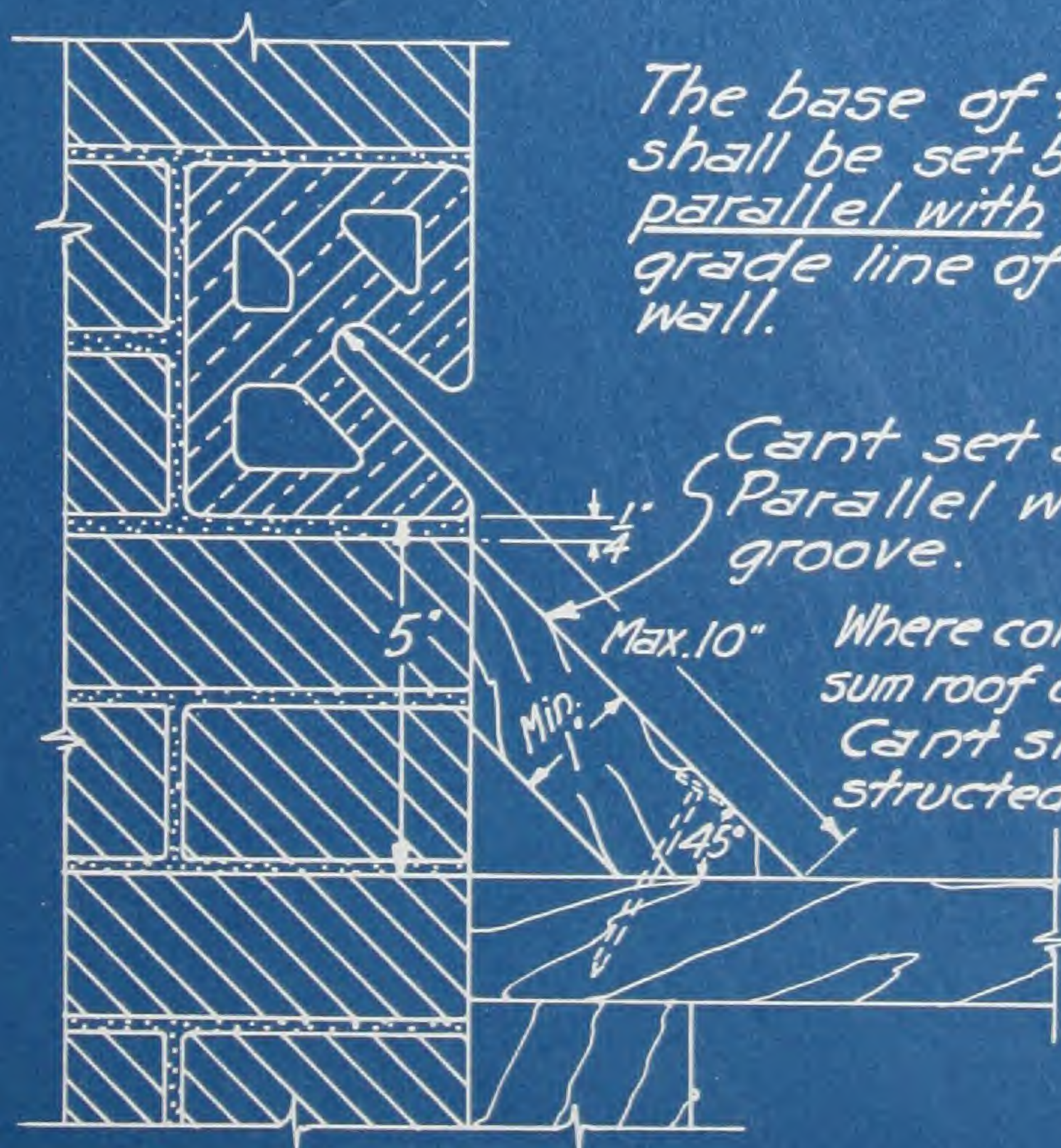
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*Side Wall.*



*End Wall.*



*The base of the block  
shall be set 5" above &  
parallel with the finished  
grade line of the roof at  
wall.*

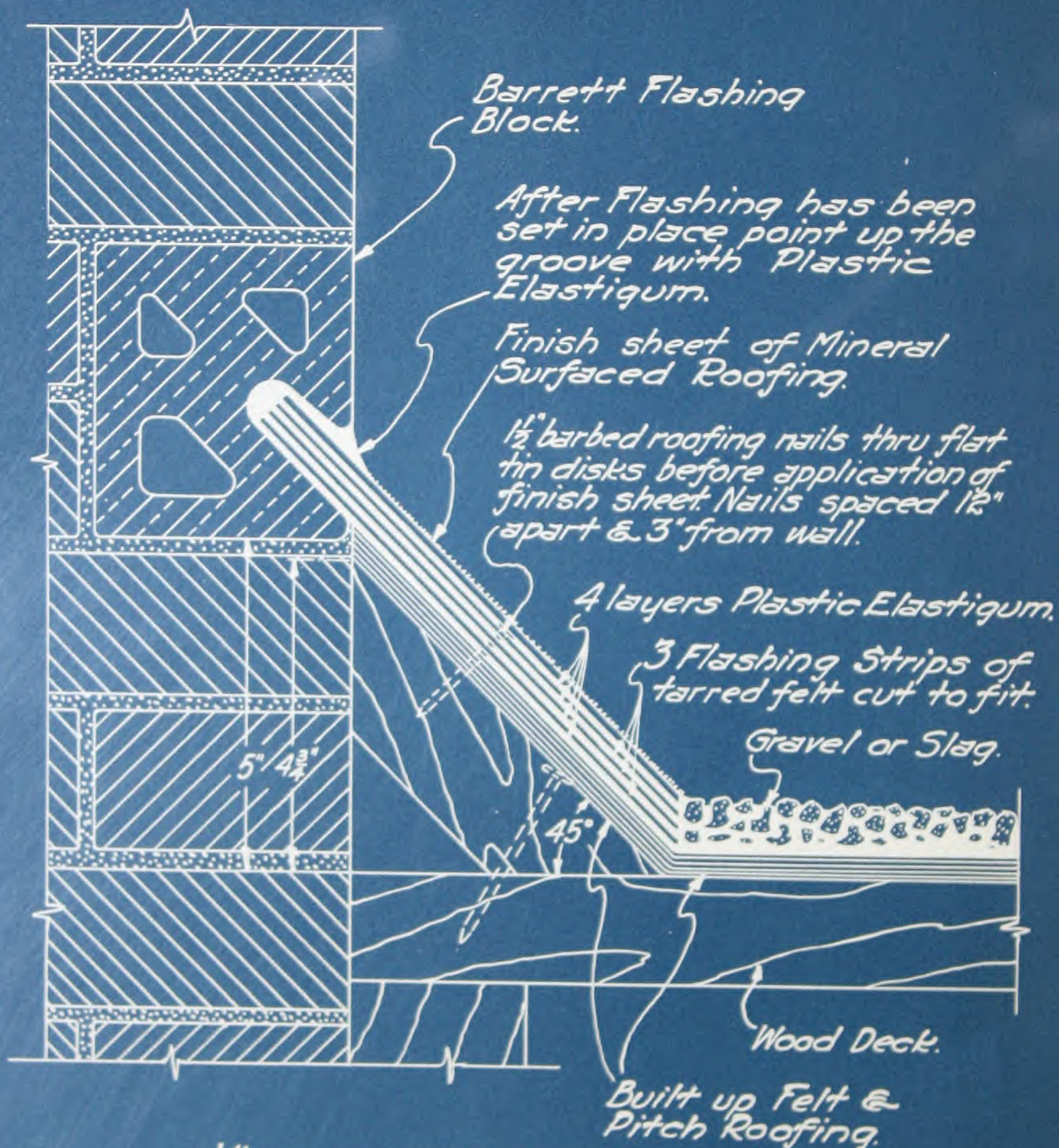
*Cant set at 45° angle.  
Parallel with flashing  
groove.*

*Where concrete or gyp-  
sum roof deck is used  
Cant shall be con-  
structed of concrete.*



METHOD OF INSTALLING  
FLASHING IN FLASHING BLOCK

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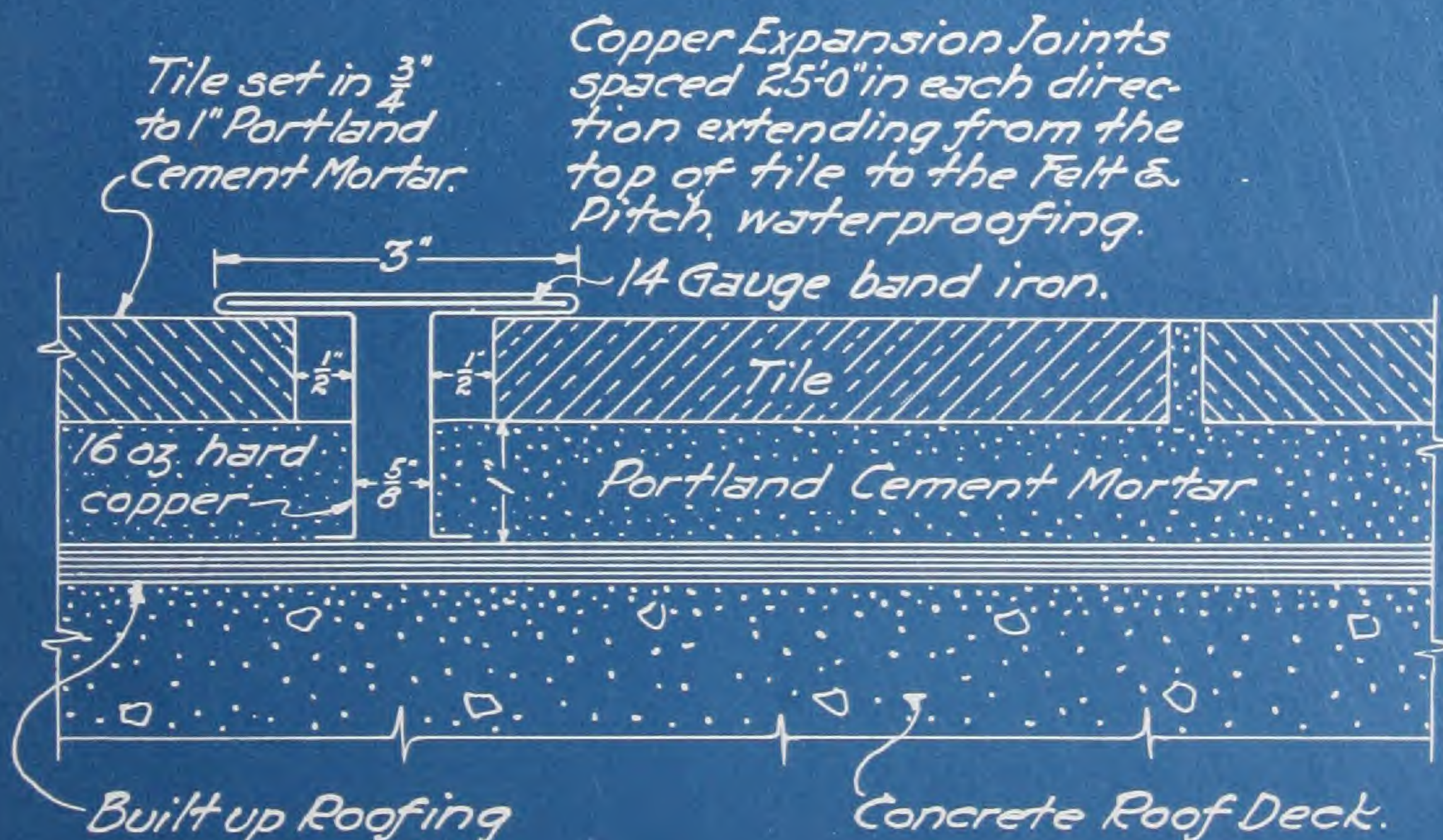
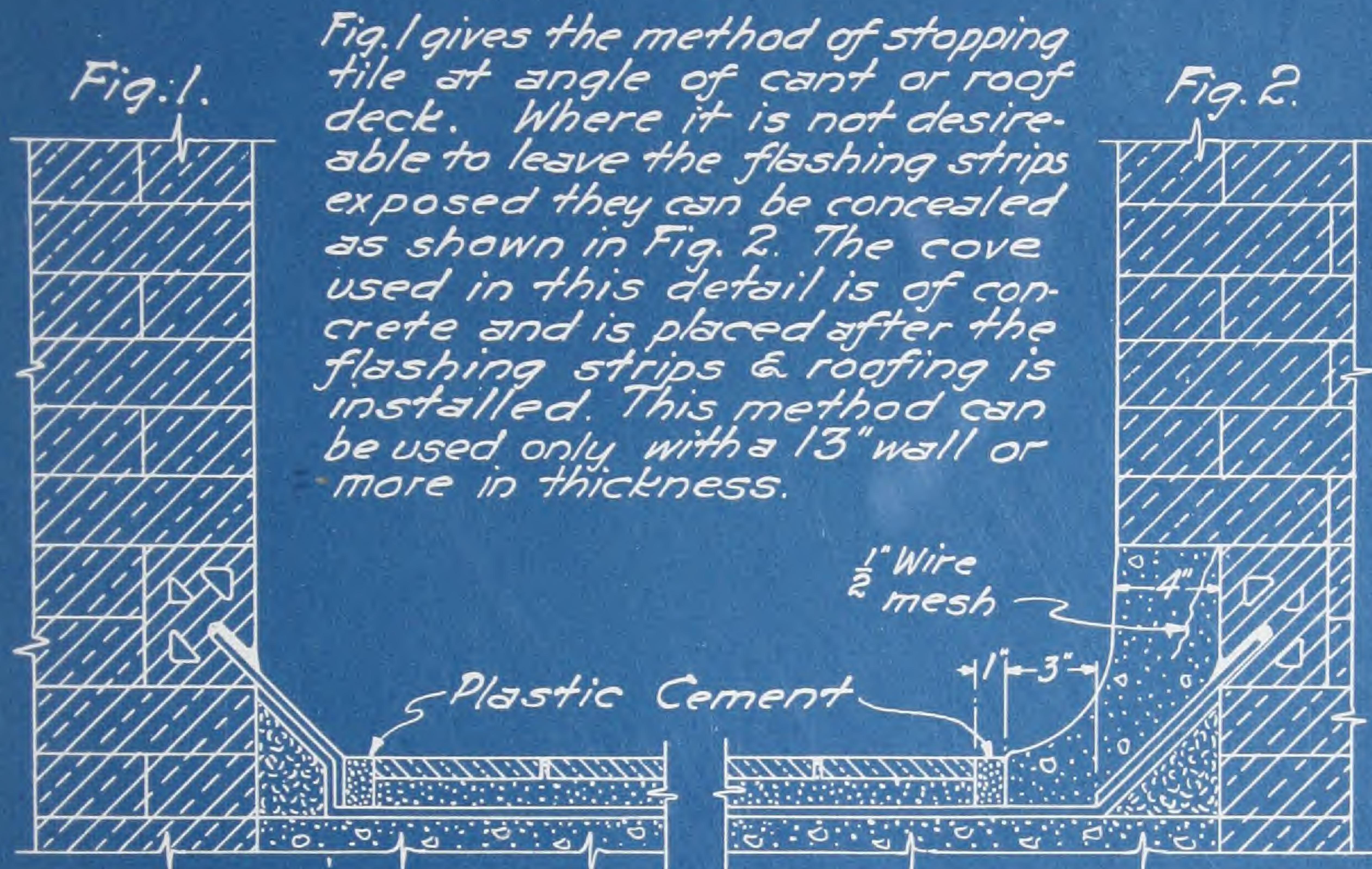
*Where concrete or gypsum roof deck is used 'Cant' shall be constructed of concrete.*



# Barrett ROOF FLASHING SYSTEM

## PROMENADE TILE ROOF

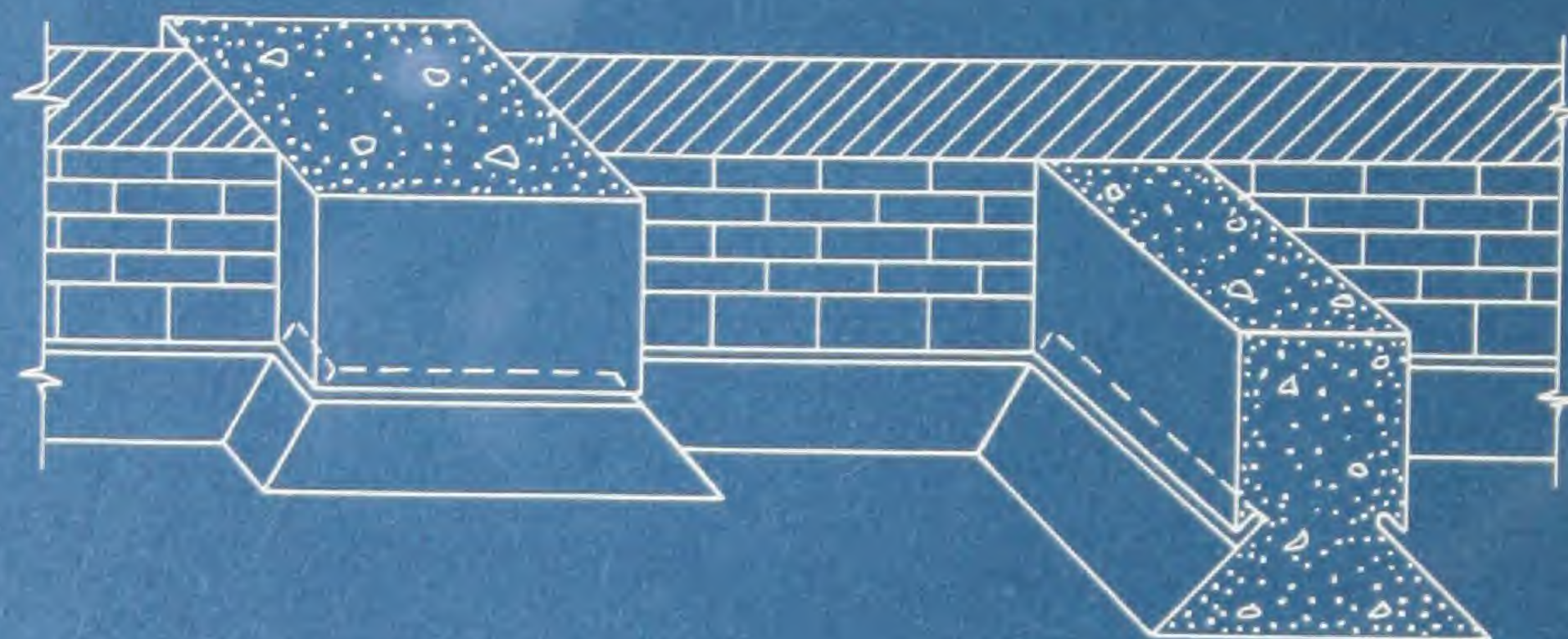
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*Barrett* ROOF FLASHING SYSTEM  
COMBINATION BRICK AND CONCRETE  
INSTALLATION  
FLASHING BLOCK JOINING FLASHING FORM

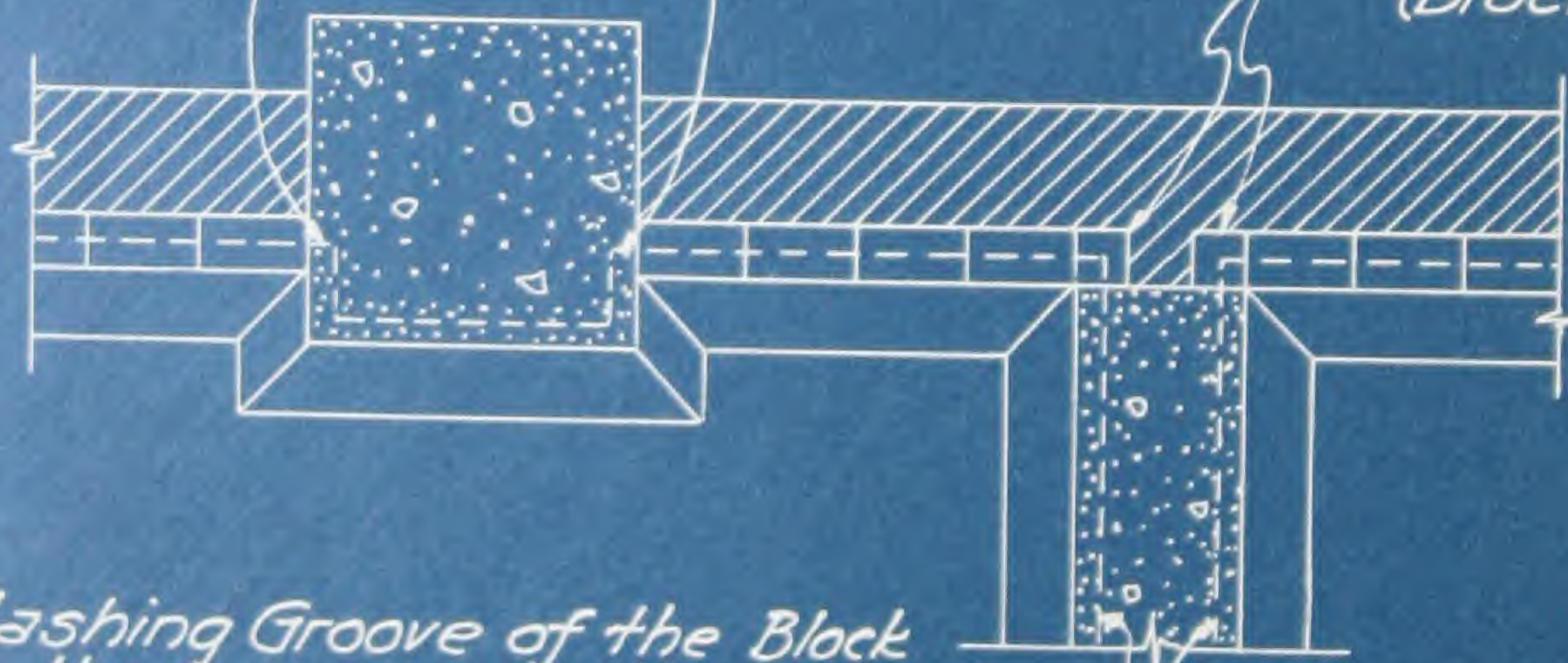
CAUTION:  
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be sent to you.



*Inside Return  
Left hand (Form)*

*Inside Return  
Right hand (Form)*

*Inside Corners  
(Block)*



*Flashing Groove of the Block  
is the same size & shape  
as that of Barrett Flashing  
Form for use in concrete.  
Hence when brick walls inter-  
sect concrete walls a  
continuous flashing groove  
is obtained by combined  
use of the Block & Form.*

*Straight Metal  
Flashing Form.*



# BARRETT ROOF FLASHING SYSTEM

## FLASHING SPECIFICATION

### BRICK WALLS

#### FOR MASONRY SPECIFICATION

Barrett Flashing Block shall be built into walls with the base of the block set five (5) inches above and parallel with the finished grade line of the roof at wall. See Plate No. II (Page 5).

Blocks shall be laid in true alignment, set in Portland Cement Mortar, and joints shall be properly pointed. All end joints shall be solid mortar joints. The flashing groove of the block shall be thoroughly cleaned of all surplus mortar.

**NOTE**—Special blocks are manufactured for use at right angle external and internal wall corners. See Plate No. I (Page 4).

#### FOR CARPENTRY SPECIFICATION, BOARD ROOF DECK

At angle of roof deck and the walls in which flashing block has been installed, provide a wood cant at least one (1) inch thick, the upper edge of which shall terminate one-quarter ( $\frac{1}{4}$ ) inch below the flashing groove. The face of the cant shall have an incline of forty-five (45) degrees, the same as the flashing groove in the block. The cant shall be securely fastened to the roof deck. The distance from the innermost end of flashing groove to bottom of cant strip shall not exceed ten (10) inches. See Plate No. II (Page 5).

#### FOR MASONRY SPECIFICATION, CONCRETE OR GYPSUM ROOF DECK

At angle of roof deck and the walls in which flashing block has been installed, provide a concrete cant that will permit of nailing, the upper edge of which shall terminate one-quarter ( $\frac{1}{4}$ ) inch below the flashing groove. The face of the cant shall have an incline of forty-five (45) degrees the same as the flashing groove in the block. The distance from the innermost end of flashing groove to bottom of cant strip shall not exceed ten (10) inches. See Plate No. II (Page 5).

#### FOR ROOFING SPECIFICATION

**NOTE**—This flashing shall be installed before gravel, slag, tile or other surfacing material is applied to the roof surface.

**FIRST**—Before applying flashing material, the flashing groove shall be thoroughly cleaned of mortar or other foreign materials.

**SECOND**—The felt and pitch roofing shall be extended up the face of the cant to the wall line and cut off evenly at that point. The plies of felt shall be solidly cemented together with pitch and be free from wrinkles or buckles.

**THIRD**—Over the roofing, covering the cant, and up into the full depth of the flashing groove, apply a heavy uniform layer of Barrett Plastic Elastigum, into which embed one (1) ply of flashing strip cut the proper width from a roll of Barrett Specification Felt. The sheets of the flashing strips shall be lapped one (1) inch and the strips shall extend into the full depth of the flashing groove. This operation shall be repeated until three (3) layers of Plastic Elastigum and three (3) plies of flashing strip have been applied. The third flashing strip shall be nailed every twelve (12) inches three (3) inches from the wall with one and one-half ( $1\frac{1}{2}$ ) inch barbed roofing nails through flat tin disks. Each flashing strip shall be set in separately (not folded) and shall break joints with the underlying ply.

**FOURTH**—Over the entire surface of the flashing strips thus laid, apply a uniform trowelled coating of Plastic Elastigum. Care shall be taken so that a liberal amount of Plastic Elastigum is placed along the opening of the flashing groove. Into the Plastic Elastigum embed immediately a layer of Barrett Everlastic Mineral Surfaced Roofing of the proper width, extending into the full depth of the groove and down to the roofing. The strips of Mineral Surfaced Roofing shall be cut from across the roll so that the end of each strip shall have a two (2) inch selvage. The two (2) inch selvage shall be coated with Plastic Elastigum and shall be over-lapped by the following sheet of Mineral Surfaced Roofing and thoroughly pressed down. The Flashing groove shall then be pointed up with Plastic Elastigum.

**NOTE No. 1—IMPORTANT!** No projections such as vent pipes, conductor lines or braces shall be constructed through the flashing cant. All such projections shall be placed through roof deck at a point not less than ten (10) inches from the intersection of cant with roof deck.

**NOTE No. 2**—The Barrett Company will give its ten-year guaranty on jobs in the United States and Canada where its inspection service is available, providing the flashing is installed in strict accordance with the above specification and subject to Barrett inspection and approval under the following condition: That the flashing shall be installed during the application of a Barrett Bonded Roof.



BARRETT FLASHING FORM

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pages. Mail post  
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*Continuous Metal Flashing Form.*



*Inside Corner.*



*Inside Return.  
Left hand.*



*Inside Return.  
Right hand.*



*Outside Corner.*

*Corners having angles other  
than 90° can be furnished.*



*Barrett*

ROOF FLASHING SYSTEM

# FLASHING FORM NAILED TO WALL FORM

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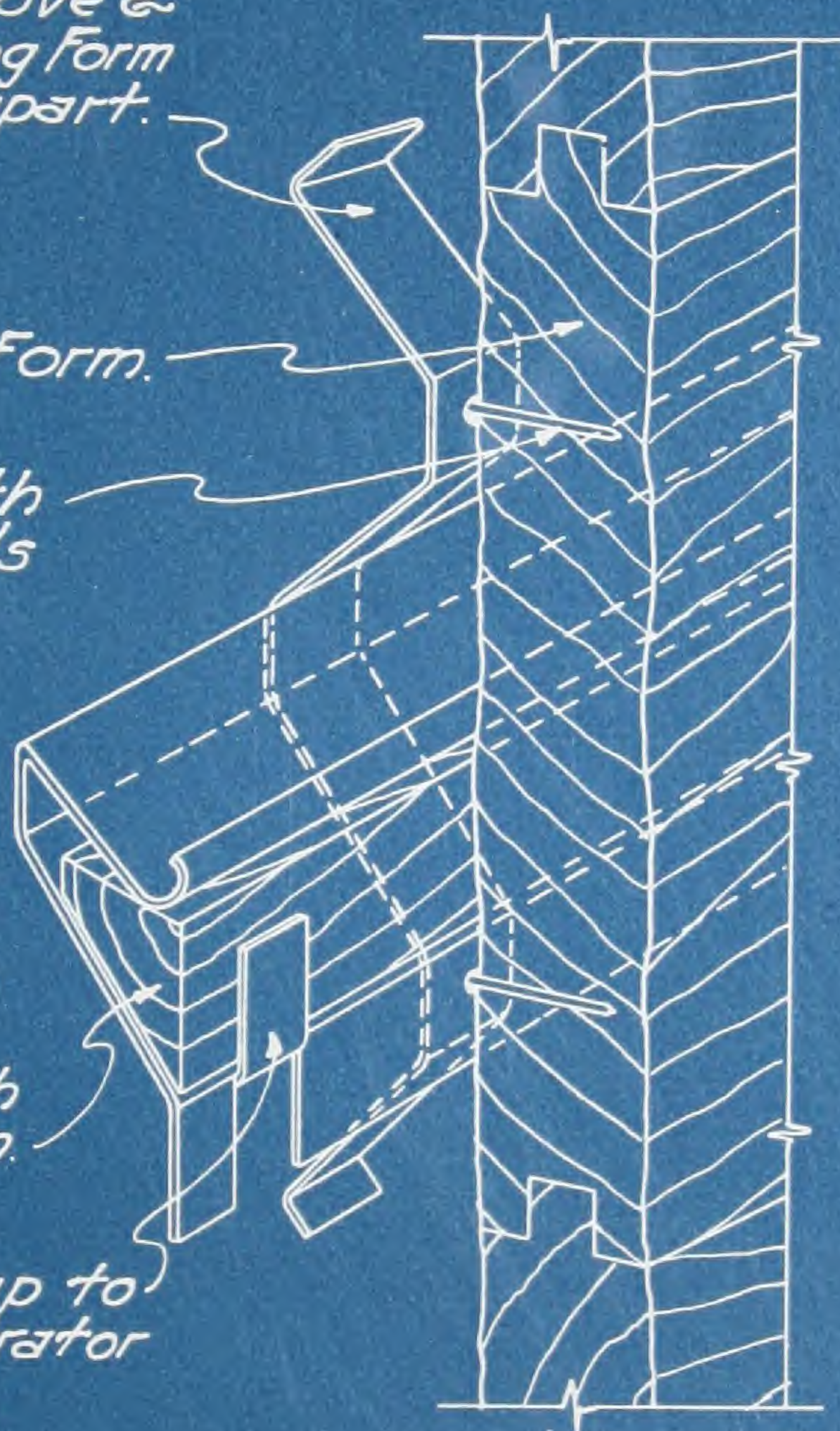
*Metal Strap Bracket nailed to wooden wall form above & below Flashing Form spaced 2'-0" apart.*

*Wall Form.*

*1" smooth wire nails*

*Wooden strip separator furnished with Flashing Form.*

*Metal flap to hold separator in place.*



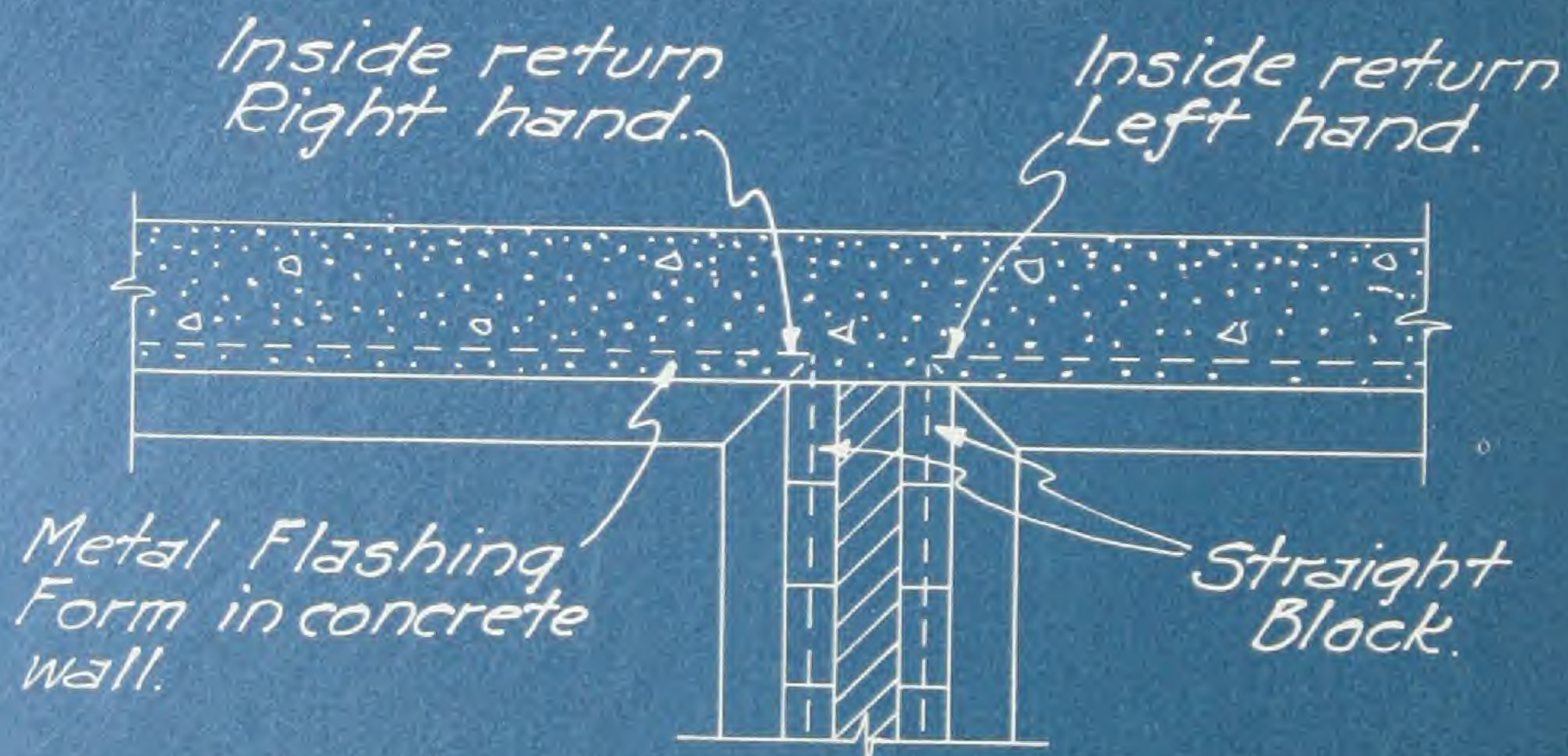
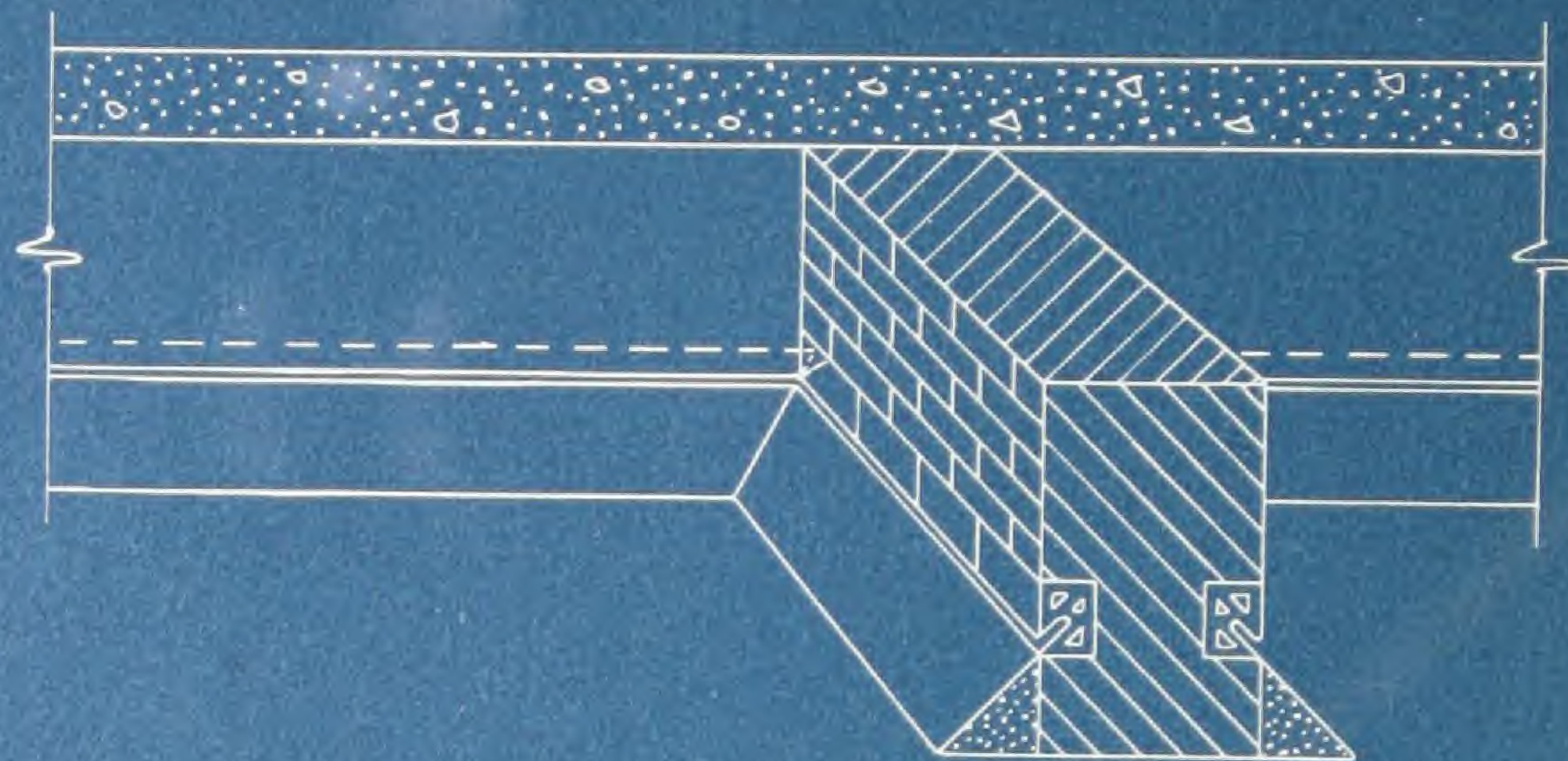
*Metal Form is furnished complete with brackets & wood separators. After wall forms are removed nails are clipped off. The separator is not removed until ready to install flashing. To remove separator bend down metal flap.*

*The flashing form shall be nailed to the wall form so that the lower edge of the flashing groove is 5" above & parallel with finished grade line of the roof at wall.*



*Barrett* ROOF FLASHING SYSTEM  
COMBINATION BRICK AND CONCRETE  
INSTALLATION  
FLASHING FORM JOINING FLASHING BLOCK

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*Flashing Groove of the Block is the same size & shape as that of Barrett Flashing Form for use in concrete. Hence when brick walls intersect concrete walls a continuous flashing groove is obtained by combined use of the Block & Form.*



## BARRETT ROOF FLASHING SYSTEM

### FLASHING SPECIFICATION

## CONCRETE WALLS

### FOR CONCRETE SPECIFICATION

Barrett Flashing Form shall be attached to the inside of the wall form by means of metal strap brackets (so provided) spaced not more than two (2) feet apart and secured by one (1) inch smooth wire nails. See Plate No. VII (Page 11).

Barrett Flashing Form shall be set so that the lower edge of the flashing groove is five (5) inches above and parallel with the finished grade line of the roof at wall. See Plate No. VIII (Page 12).

**NOTE**—Special mitred flashing forms are manufactured for use at right angle external and internal wall corners. See Plate No. VI (Page 10).

At angle of roof deck and the wall in which flashing form has been installed, provide a concrete cant that will permit of nailing, the upper edge of which shall terminate one-quarter ( $\frac{1}{4}$ ) inch below the flashing groove. The face of the cant shall have an incline of forty-five (45) degrees the same as the flashing groove in the block. The distance from the innermost end of flashing groove to bottom of cant strip shall not exceed ten (10) inches. See Plate No. VIII (Page 12).

### FOR ROOFING SPECIFICATION

**NOTE**—This flashing shall be installed before gravel, slag, tile or other surfacing material is applied to the roof surface.

**FIRST**—Before applying flashing material, the flashing groove shall be thoroughly cleaned of mortar or other foreign materials.

**SECOND**—The felt and pitch roofing shall be extended up the face of the cant to the wall line and cut off evenly at that point. The plies of felt shall be solidly cemented together with pitch and be free from wrinkles or buckles.

**THIRD**—Over the roofing, covering the cant, and up into the full depth of the flashing groove, apply a heavy uniform layer of Barrett Plastic Elastigum, into which embed one (1) ply of flashing strip cut the proper width from a roll of Barrett Specification Felt. The sheets of the flashing strips shall be lapped one (1) inch and the strips shall extend into the full depth of the flashing groove. This operation shall be repeated until three (3) layers of Plastic Elastigum and three (3) plies of flashing strip have been applied. The third flashing strip shall be nailed every twelve (12) inches three (3) inches from the wall with one and one-half ( $1\frac{1}{2}$ ) inch barbed roofing nails through flat tin disks. Each flashing strip shall be set in separately (not folded) and shall break joints with the underlying ply.

**FOURTH**—Over the entire surface of the flashing strips thus laid, apply a uniform trowelled coating of Plastic Elastigum. Care shall be taken so that a liberal amount of Plastic Elastigum is placed along the opening of the flashing groove. Into the Plastic Elastigum embed immediately a layer of Barrett Everlastic Mineral Surfaced Roofing of the proper width, extending into the full depth of the groove and down to the roofing. The strips of Mineral Surfaced Roofing shall be cut from across the roll so that the end of each strip shall have a two (2) inch selvage. The two (2) inch selvage shall be coated with Plastic Elastigum and shall be over-lapped by the following sheet of Mineral Surfaced Roofing and thoroughly pressed down. The flashing groove shall then be pointed up with Plastic Elastigum.

**NOTE No. 1—IMPORTANT!** No projections such as vent pipes, conductor lines or braces shall be constructed through the flashing cant. All such projections shall be placed through roof deck at a point not less than ten (10) inches from the intersection of cant with roof deck.

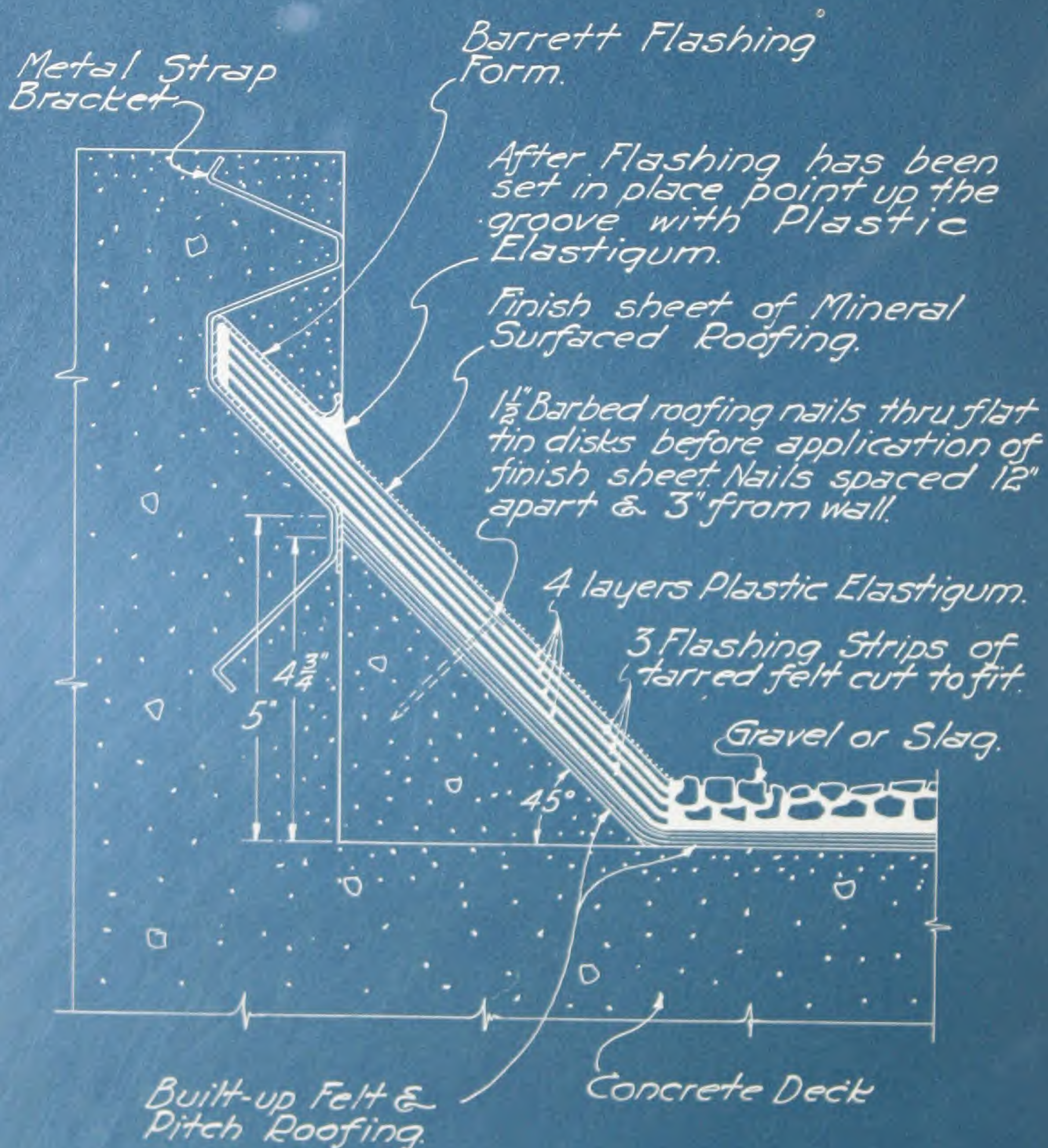
**NOTE No. 2**—The Barrett Company will give its ten-year guaranty on jobs in the United States and Canada where its inspection service is available, providing the flashing is installed in strict accordance with the above specification and subject to Barrett inspection and approval under the following condition: That the flashing shall be installed during the application of a Barrett Bonded Roof.



CONCRETE CURBS  
10 INCHES OR MORE IN HEIGHT

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## BARRETT ROOF FLASHING SYSTEM

### FLASHING SPECIFICATION

## CONCRETE CURBS

### TEN (10) INCHES OR MORE IN HEIGHT

#### FOR CONCRETE SPECIFICATION

Barrett Flashing Form shall be attached to the inside of the wall form by means of metal strap brackets (so provided) spaced not more than two (2) feet apart and secured by one (1) inch smooth wire nails. See Plate VII (Page 11).

Barrett Flashing Form shall be set so that the lower edge of the flashing groove is five (5) inches above and parallel with the finished grade line of the roof at wall. See Plate No. VIII (Page 12).

**NOTE**—Special mitred flashing forms are manufactured for use at right angle external and internal wall corners. See Plate No. VI (Page 10).

At angle of roof deck and the wall in which flashing form has been installed, provide a concrete cant that will permit of nailing, the upper edge of which shall terminate one-quarter ( $\frac{1}{4}$ ) inch below the flashing groove. The face of the cant shall have an incline of forty-five (45) degrees the same as the flashing groove in the block. The distance from the innermost end of flashing groove to bottom of cant strip shall not exceed ten (10) inches. See Plate No. VIII (Page 12).

#### FOR ROOFING SPECIFICATION

**NOTE**—This flashing shall be installed before gravel, slag, tile or other surfacing material is applied to the roof surface.

**FIRST**—Before applying flashing material, the flashing groove shall be thoroughly cleaned of mortar or other foreign materials.

**SECOND**—The felt and pitch roofing shall be extended up the face of the cant to the wall line and cut off evenly at that point. The plies of felt shall be solidly cemented together with pitch and be free from wrinkles or buckles.

**THIRD**—Over the roofing, covering the cant, and up into the full depth of the flashing groove, apply a heavy uniform layer of Barrett Plastic Elastigum, into which embed one (1) ply of flashing strip cut the proper width from a roll of Barrett Specification Felt. The sheets of the flashing strips shall be lapped one (1) inch and the strips shall extend into the full depth of the flashing groove. This operation shall be repeated until three (3) layers of Plastic Elastigum and three (3) plies of flashing strip have been applied. The third flashing strip shall be nailed every twelve (12) inches three (3) inches from the wall with one and one-half ( $1\frac{1}{2}$ ) inch barbed roofing nails through flat tin disks. Each flashing strip shall be set in separately (not folded) and shall break joints with the underlying ply.

**FOURTH**—Over the entire surface of the flashing strips thus laid, apply a uniform trowelled coating of Plastic Elastigum. Care shall be taken so that a liberal amount of Plastic Elastigum is placed along the opening of the flashing groove. Into the Plastic Elastigum embed immediately a layer of Barrett Everlastic Mineral Surfaced Roofing of the proper width, extending into the full depth of the groove and down to the roofing. The strips of Mineral Surfaced Roofing shall be cut from across the roll so that the end of each strip shall have a two (2) inch selvage. The two (2) inch selvage shall be coated with Plastic Elastigum and shall be over-lapped by the following sheet of Mineral Surfaced Roofing and thoroughly pressed down. The flashing groove shall then be pointed up with Plastic Elastigum.

**NOTE No. 1—IMPORTANT!** No projections such as vent pipes, conductor lines or braces shall be constructed through the flashing cant. All such projections shall be placed through roof deck at a point not less than ten (10) inches from the intersection of cant with roof deck.

**NOTE No. 2**—The Barrett Company will give its ten-year guaranty on jobs in the United States and Canada where its inspection service is available, providing the flashing is installed in strict accordance with the above specification and subject to Barrett inspection and approval under the following condition: That the flashing shall be installed during the application of a Barrett Bonded Roof.

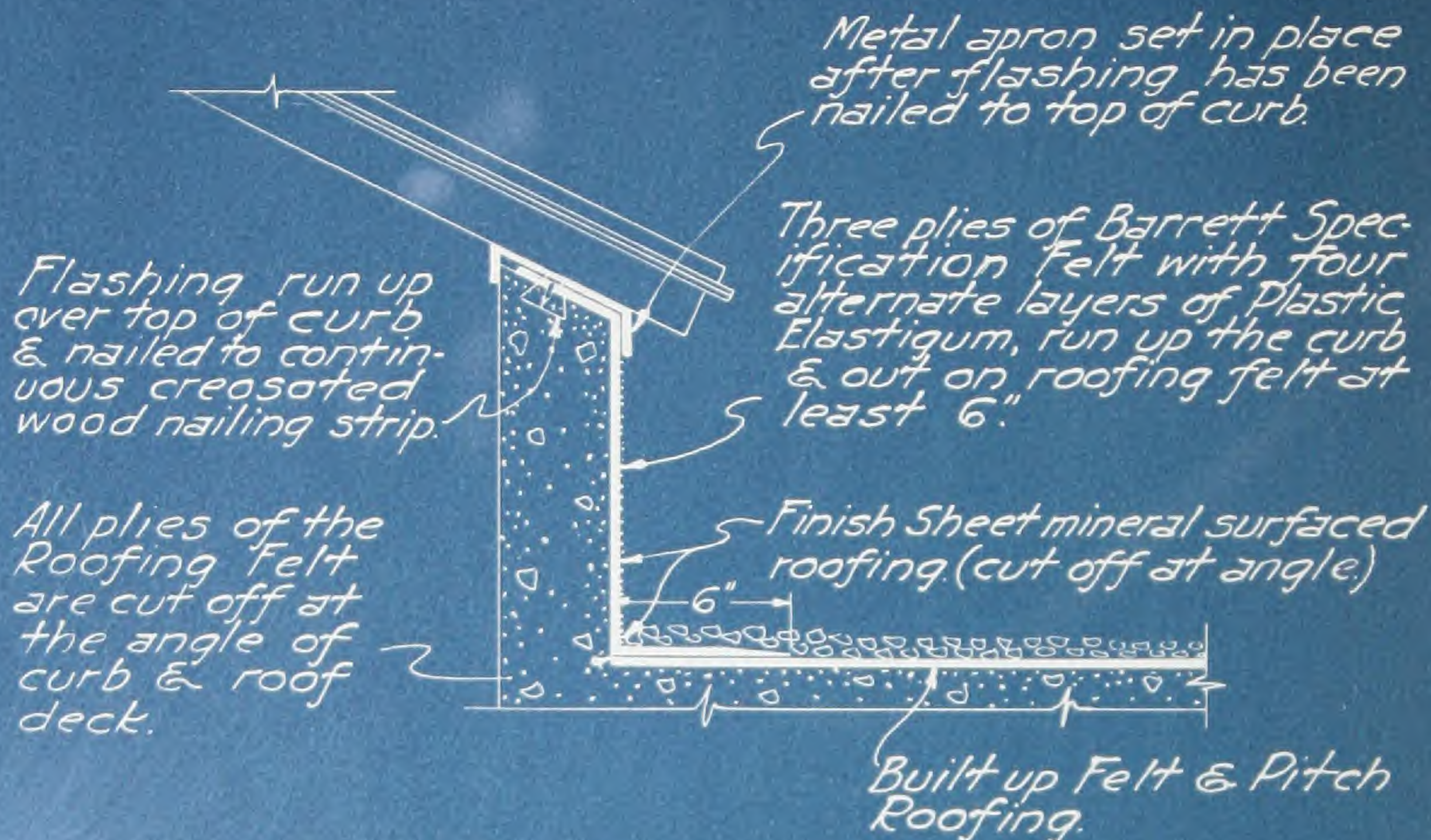
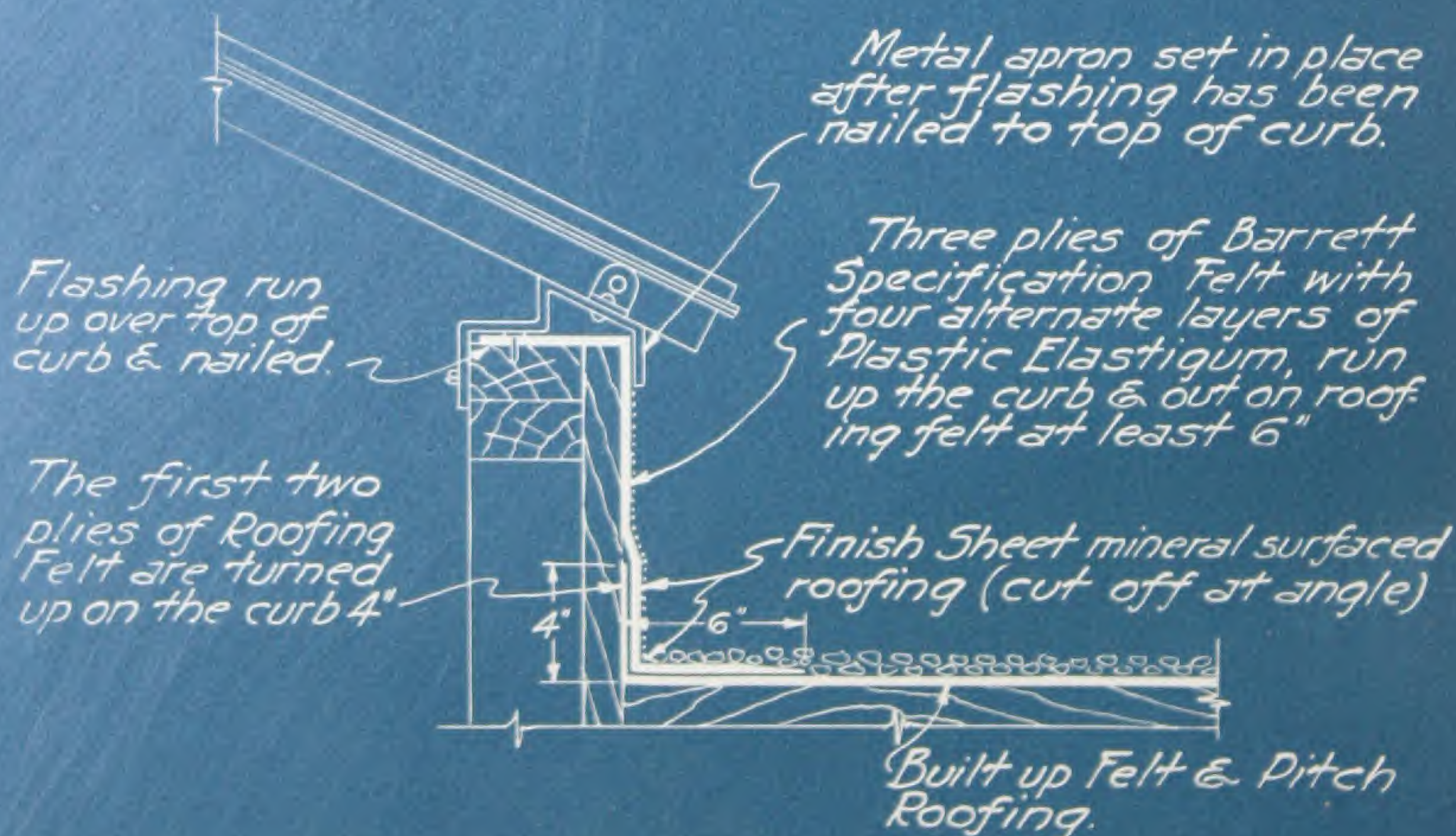


## FLASHING SKYLIGHT CURBS

WHERE HEIGHT OF CURB DOES NOT EXCEED 10 INCHES

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CONCRETE CURB.WOOD CURB.



## BARRETT ROOF FLASHING SYSTEM

### FLASHING SPECIFICATION

## SKYLIGHT CURBS

### *WHERE HEIGHT OF CURB DOES NOT EXCEED TEN (10) INCHES*

If the curb is of concrete, a creosoted wood nailing strip at least one (1) inch thick, with two (2) inch face and three (3) inch base, shall be installed along the center line of the top of the curb in such manner that its face shall be flush with the top face of the curb. See Plate No. XII (Page 18).

The flashing shall be installed before the final coating of pitch and gravel or slag is applied to the roofing. If skylight has been placed, it shall be removed. The surface to be flashed shall be smooth, broomed clean and free from all loose material.

If roof deck is of concrete, the felt and pitch used in covering the roof proper shall be cut off at the angle of roof deck and vertical surfaces. If roof deck is of boards, the first two (2) plies of felt used in constructing the roofing shall extend four (4) inches up the vertical surfaces, and all additional plies of felt used in the roofing shall be cut off at the angle of roof deck and vertical surfaces.

Over the vertical surface and across top surface to within one (1) inch of the inner edge of the skylight curb, and out on the roofing not less than four (4) inches, apply a uniform trowelled coating of Barrett Plastic Elastigum, into which embed one (1) ply of Barrett Specification Tarred Felt. This operation shall be repeated until three (3) layers of Plastic Elastigum and three (3) plies of felt have been applied.

All three (3) plies of felt shall extend up the face of the curb and over the top to within one (1) inch of the inner edge. The first ply shall extend out on the roofing at least four (4) inches and each succeeding ply shall be stepped out one (1) inch beyond the preceding one. Each ply shall be set in separately (not folded) and shall break joints with the underlying ply.

The surface of the top ply of felt shall be covered with a uniform trowelled coating of Plastic Elastigum, into which shall be firmly embedded one (1) layer of Barrett Everlastic Mineral Surfaced Roofing which shall extend over the top to within one (1) inch of the inner edge of curb, and down to the roof deck, being cut off evenly at the angle.

The Mineral Surfaced Roofing shall be cut across the roll so that the end of each strip shall have a two (2) inch selvage. The two (2) inch selvage shall be coated with Plastic Elastigum and shall be over-lapped by the following sheet of Mineral Surfaced Roofing and thoroughly pressed down.

The felt and Mineral Surfaced Roofing shall be securely held in place by nailing along the top about (1) inch from the edge of the felt and Mineral Surfaced Roofing. The nail heads shall be covered with a coating of Plastic Elastigum.



## FLASHING MONITOR CURBS

WHERE HEIGHT OF CURB DOES NOT EXCEED 10 INCHES

## CAUTION:

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If open joints occur between angle sills they should be sealed with Plastic Elastigum & capped with metal.

Flashing nailed to creosoted wood nailing strip.

All plies of the Roofing Felt are cut off at the angle of curb & roof deck.

Angle bolted in place after Flashing has been nailed at top of curb.

Three plies of Barrett Specification Felt with four alternate layers of Plastic Elastigum, run up the curb & out on roofing felt at least 6"

Finish Sheet mineral surfaced roofing. (cut off at angle.)

Built up Felt & Pitch Roofing.

CONCRETE CURB.

Weep holes  
Metal Flashing & condensation gutter.

The first two plies of Roofing Felt are turned up on the curb 4"

Position before bending.

Three plies of Barrett Specification Felt with four alternate layers of Plastic Elastigum, run up the curb & out on roofing felt at least 6"

Finish Sheet mineral surfaced roofing (cut off at angle.)

Built up Felt & Pitch Roofing.

WOOD CURB.



*BARRETT ROOF FLASHING SYSTEM*

## FLASHING SPECIFICATION

**MONITOR CURBS***WHERE HEIGHT OF CURB DOES NOT EXCEED TEN (10) INCHES*

If the curb is of concrete, a creosoted wood nailing strip at least one (1) inch thick, with two (2) inch face and three (3) inch base, shall be installed immediately under the sill in such manner that its face shall be flush with the face of the curb. See Plate No. XIII (Page 20).

A metal condensation drip pan flashing shall be installed under the monitor sash. On the inside, this metal shall be turned up at least one-half ( $\frac{1}{2}$ ) inch, to take care of condensation, and on the outside, shall extend down over the flashing at least two (2) inches.

The flashing shall be installed before the final coating of pitch and gravel or slag is applied to the roofing. The surface to be flashed shall be smooth, broomed clean and free from all loose material.

If roof deck is of concrete, the felt and pitch used in covering the roof proper shall be cut off at the angle of roof deck and vertical surfaces. If roof deck is of boards, the first two (2) plies of felt used in constructing the roofing shall extend four (4) inches up the vertical surfaces, and all additional plies of felt used in the roofing shall be cut off at the angle of roof deck and vertical surfaces.

Over the vertical surface of the monitor curb and out on the roofing not less than four (4) inches, apply a uniform trowelled coating of Barrett Plastic Elastigum, into which embed one (1) ply of Barrett Specification Tarred Felt. This operation shall be repeated until three (3) layers of Plastic Elastigum and three (3) plies of Tarred Felt have been applied.

All three (3) plies of felt shall extend up the face of the curb to the underside of the sill. The first ply shall extend out on the roofing at least four (4) inches, and each succeeding ply shall be stepped out one (1) inch beyond the preceding one. Each ply shall be set in separately (not folded) and shall break joints with the underlying ply.

The surface of the top ply of felt shall be covered with a uniform trowelled coating of Plastic Elastigum, into which shall be firmly embedded one (1) layer of Barrett Everlastic Mineral Surfaced Roofing which shall extend from the under side of the sill down to the roof deck, being cut off evenly at the angle.

The Mineral Surfaced Roofing shall be cut across the roll so that the end of each strip shall have a two (2) inch selvage. The two (2) inch selvage shall be coated with Plastic Elastigum and shall be over-lapped by the following sheet of Mineral Surfaced Roofing and thoroughly pressed down.

The felt and Mineral Surfaced Roofing shall be securely held in place by nailing along the top edge as high as possible with large-headed roofing nails. The nail heads shall be covered with a coating of Plastic Elastigum.

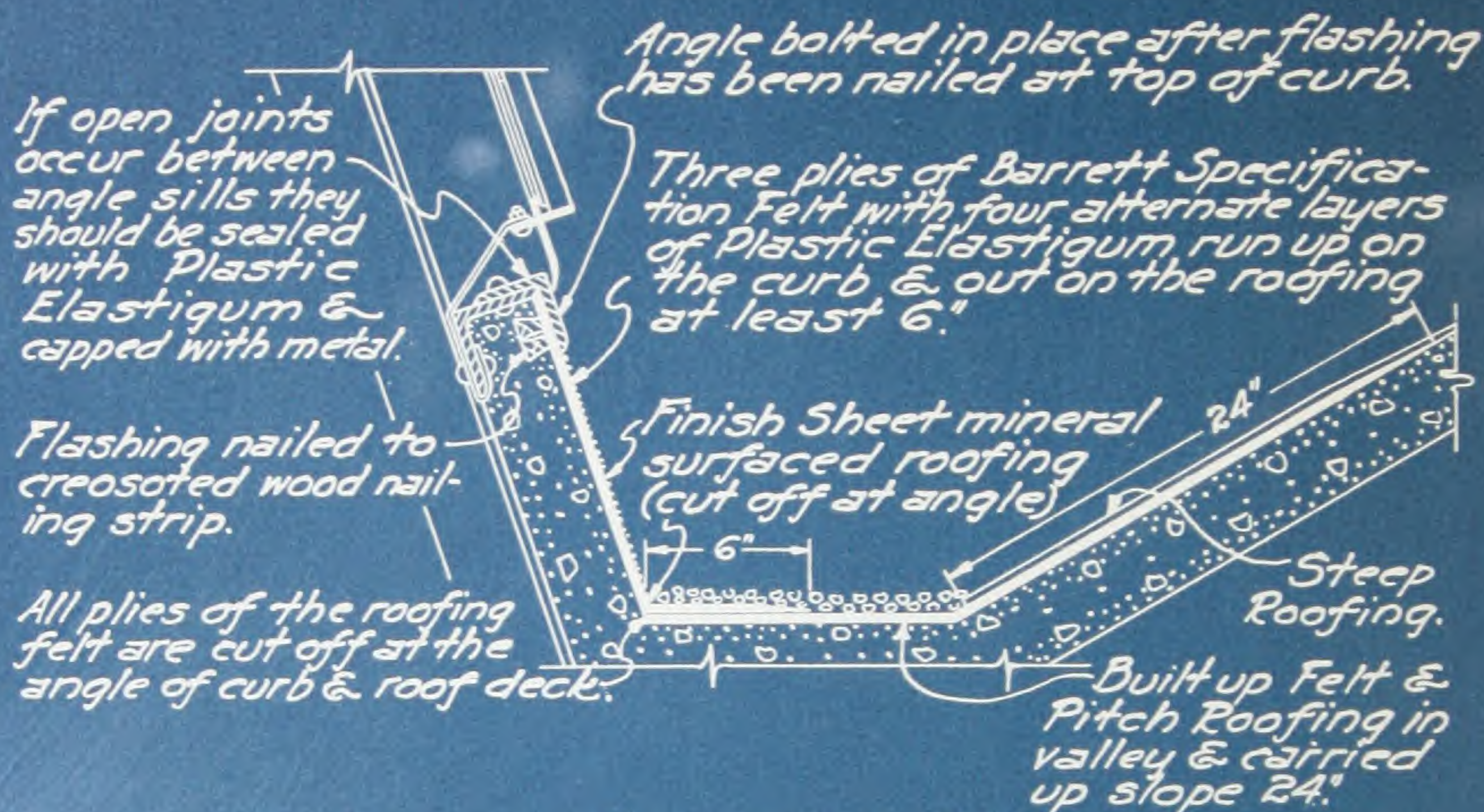
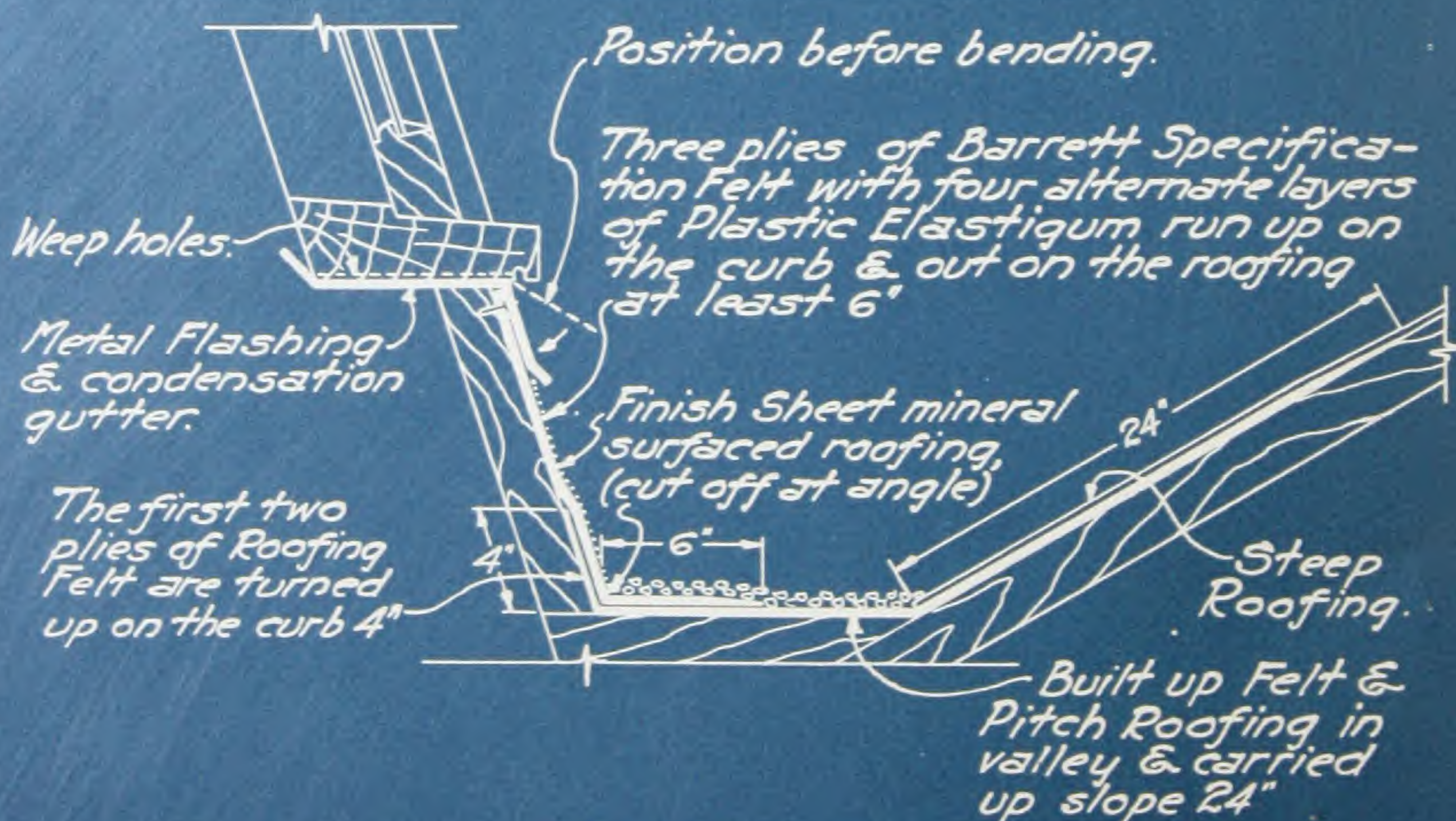


## FLASHING SAWTOOTH CURBS

WHERE HEIGHT OF CURB DOES NOT EXCEED 10 INCHES

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CONCRETE CURB.WOOD CURB.



## BARRETT ROOF FLASHING SYSTEM

### FLASHING SPECIFICATION

## SAWTOOTH CURBS

### *WHERE HEIGHT OF CURB DOES NOT EXCEED TEN (10) INCHES*

If the curb is of concrete, a creosoted wood nailing strip at least one (1) inch thick, with two (2) inch face and three (3) inch base, shall be installed immediately under the sill in such manner that its face shall be flush with the face of the curb. See Plate No. XIV (page 22).

A metal condensation drip pan flashing shall be installed under the sawtooth sash. On the inside, this metal shall be turned up at least one-half ( $\frac{1}{2}$ ) inch, to take care of condensation, and on the outside, shall extend down over the flashing at least two (2) inches.

The flashing shall be installed before the final coating of pitch and gravel or slag is applied to the roofing. The surface to be flashed shall be smooth, broomed clean and free from all loose material.

If roof deck is of concrete, the felt and pitch used in covering the sawtooth valleys shall be cut off at the angle of valley deck and sawtooth curb. If roof deck is of boards, the first two (2) plies of felt used in constructing the roofing shall extend four (4) inches up the sawtooth curb, and all additional plies of felt used in the roofing shall be cut off at the angle of valley deck and sawtooth curb.

Over the face of the sawtooth curb and out onto the valley roofing not less than four (4) inches, apply a uniform trowelled coating of Barrett Plastic Elastigum, into which embed one (1) ply of Barrett Specification Tarred Felt. This operation shall be repeated until three (3) layers of Plastic Elastigum and three (3) plies of tarred felt have been applied.

All three (3) plies of felt shall extend up the face of the curb to the underside of the sill. The first ply shall extend out on the roofing at least four (4) inches, and each succeeding ply shall be stepped out one (1) inch beyond the preceding one. Each ply shall be set in separately (not folded) and shall break joints with the underlying ply.

The surface of the top ply of felt shall be covered with a uniform trowelled coating of Plastic Elastigum, into which shall be firmly embedded one (1) layer of Barrett Everlastic Mineral Surfaced Roofing which shall extend from the under side of the sill down to the roof deck, being cut off evenly at the angle.

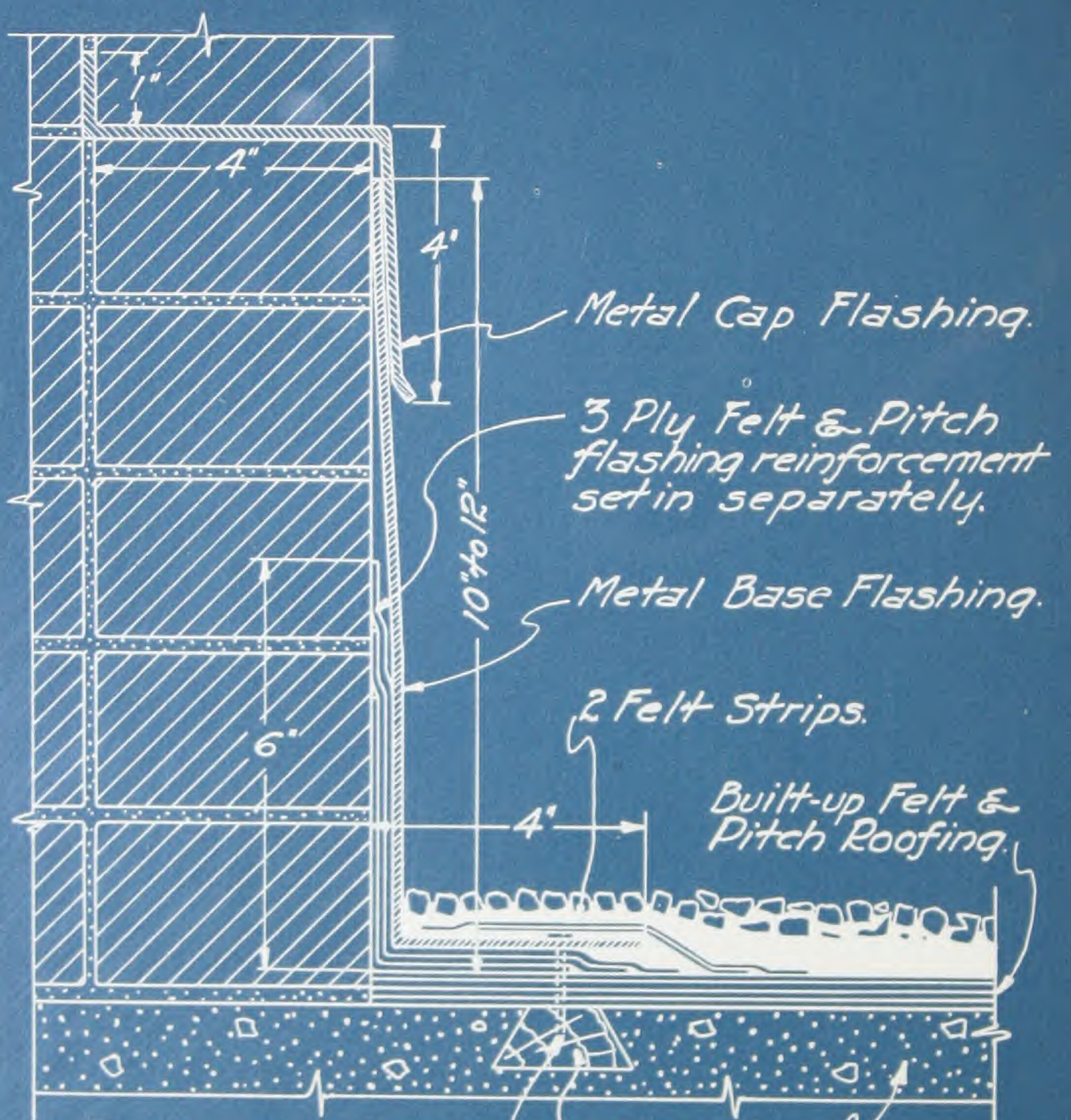
The Mineral Surfaced Roofing shall be cut across the roll so that the end of each strip shall have a two (2) inch selvage. The two (2) inch selvage shall be coated with Plastic Elastigum and shall be over-lapped by the following sheet of Mineral Surfaced Roofing and thoroughly pressed down.

The felt and Mineral Surfaced Roofing shall be securely held in place by nailing along the top edge as high as possible with large-headed roofing nails. The nail heads shall be covered with a coating of Plastic Elastigum.



*Barrett* ROOF FLASHING SYSTEM  
METAL CAP AND BASE FLASHING

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For Concrete Decks  
all plies of roofing  
shall be cut off at  
wall line.

For Wood Decks first  
two plies shall be  
carried up vertical  
surface 4". Remain-  
ing plies shall be  
cut off at wall line.

Creosoted  
nailing strip.

Nails spaced  
3" apart

Roof Deck.



## BARRETT ROOF FLASHING SYSTEM

### FLASHING SPECIFICATION

# METAL CAP AND BASE

**NOTE**—Architect or engineer shall specify and describe kind of metal to be used for flashing.

Metal flashings shall be installed at all parapet walls, curbs, pent houses and other vertical surfaces as shown on plans.

#### CAP FLASHINGS

All cap flashings shall be set into brick walls for a distance of four (4) inches and turned up one (1) inch behind the first course of brick and down the face of the wall overlapping the base flashing at least two (2) inches. End laps shall be at least two (2) inches and soldered.

#### FELT AND PITCH REINFORCEMENT

After *all* plies of roofing have been laid, the roofing contractor shall set in separately, at the angle of the roof deck and vertical surface, three (3) plies of tarred felt cemented together with coal tar pitch. These plies shall extend out on the roofing at least four (4) inches and up the vertical surface six (6) inches. The last ply shall be coated with coal tar pitch. See Plate XV (Page 24). For roofing guaranteed for ten years or less, a felt and pitch reinforcement of two (2) plies is sufficient.

#### BASE FLASHINGS

Over the felt and pitch reinforcement thus applied, the metal base flashing shall be set, extending out on the roof four (4) inches and up the vertical surface, not less than ten (10) inches, nor more than twelve (12) inches. The base flashing shall be nailed to the roof deck with barbed roofing nails spaced not more than three (3) inches on centers on a line not exceeding three-quarters ( $\frac{3}{4}$ ) of an inch from the outer edge of the metal. If concrete roof deck does not permit of nailing, a creosoted wood nailing strip at least one (1) inch thick, with two (2) inch face and three (3) inch base, shall be installed, centered on a line three (3) inches from the vertical surface. See Plate XV (Page 24).

End laps shall be locked and soldered unless otherwise specified.

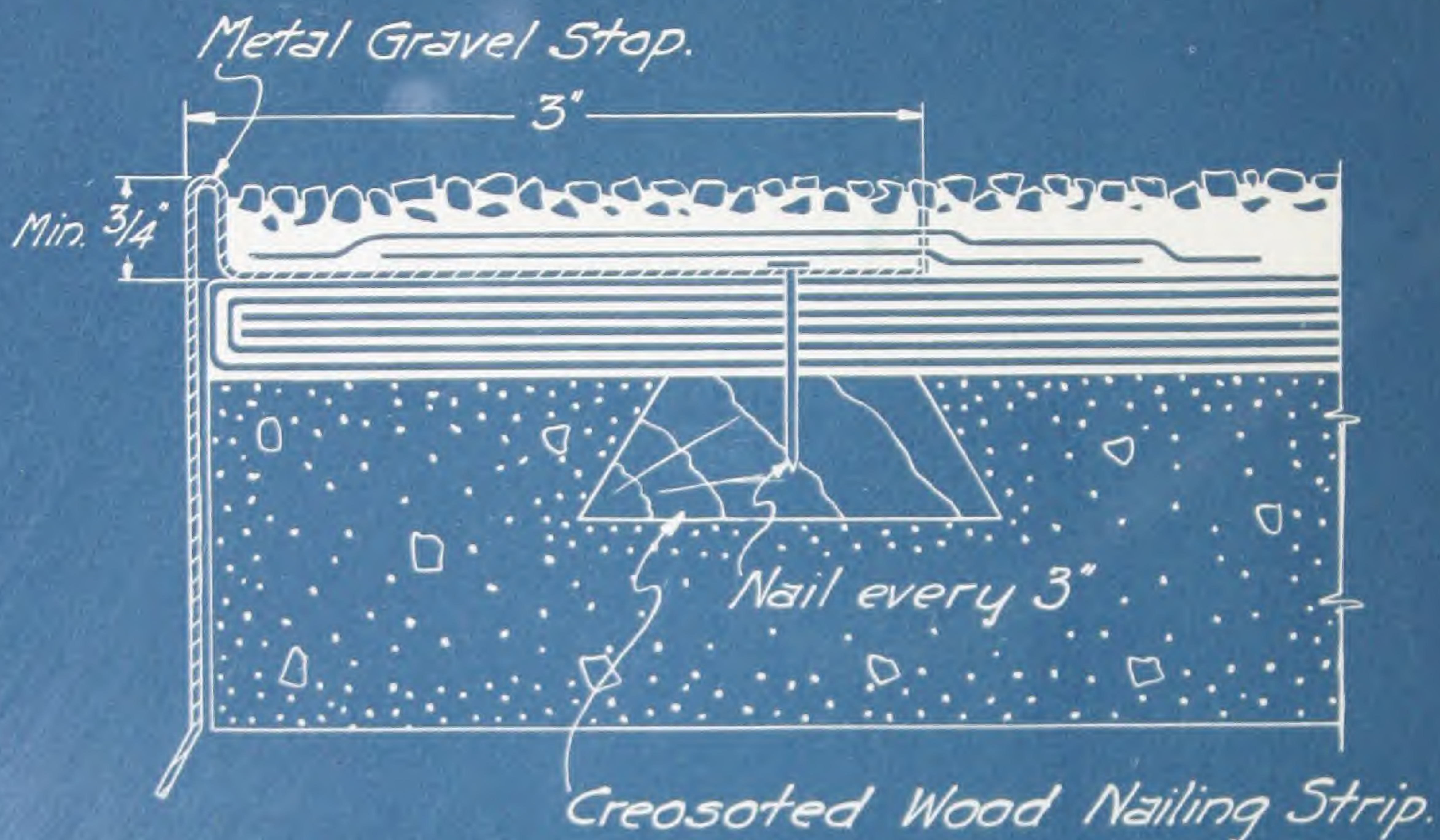
The four (4) inches of metal on the roof shall be given a priming coat of Barrett Everjet paint. It shall then be coated with Coal Tar Pitch into which shall be immediately embedded a strip of tarred felt four (4) inches wide centered over the nailing course. The first strip shall be coated with Coal Tar Pitch into which shall be immediately embedded a second strip of tarred felt six (6) inches wide completely covering the first. See Plate XV (Page 24).



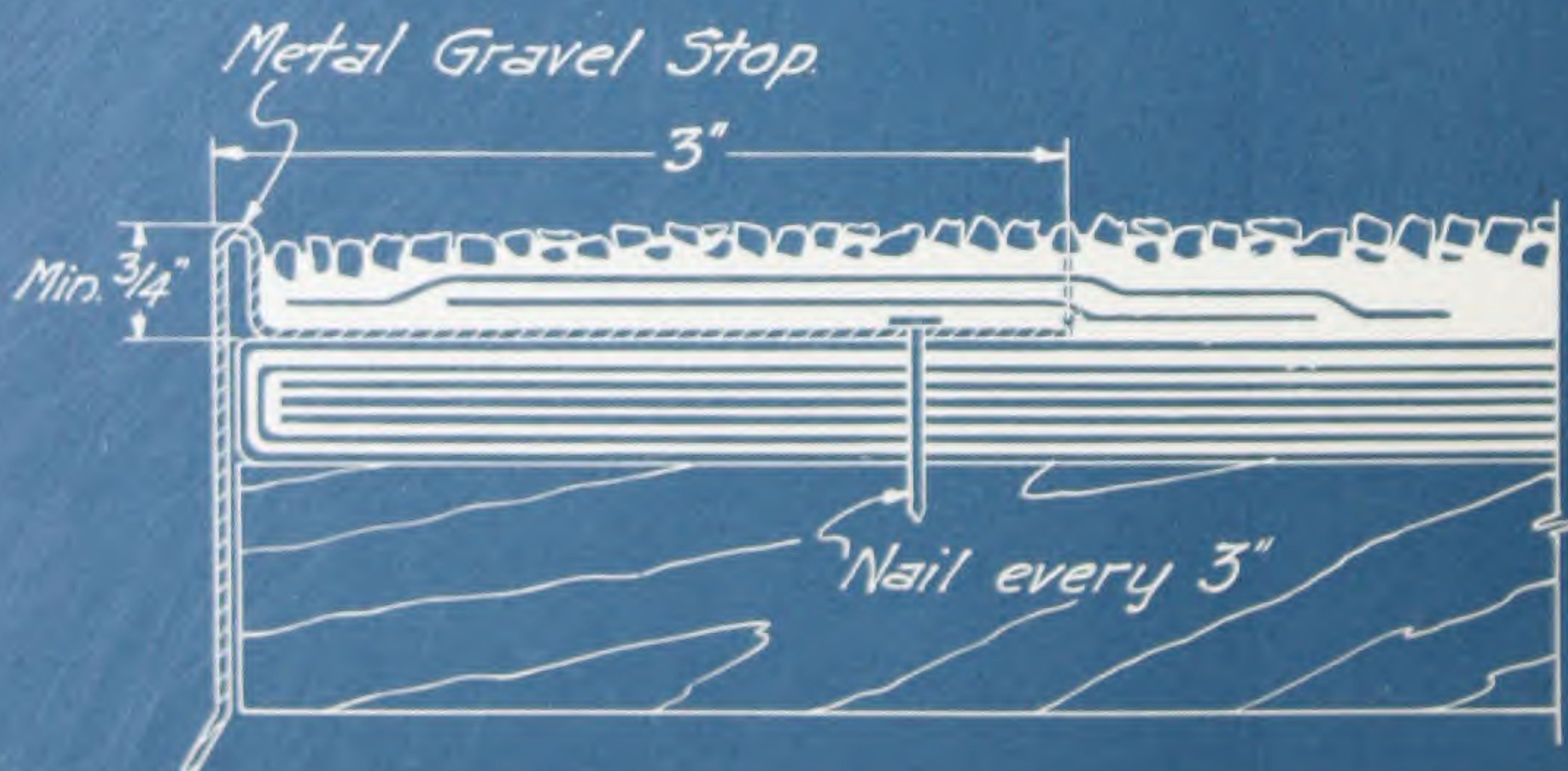
*Barrett* ROOF FLASHING SYSTEM

METHOD OF FINISHING EAVES OR EDGES  
ON FLAT ROOF CONSTRUCTION

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For Concrete Roof Deck.

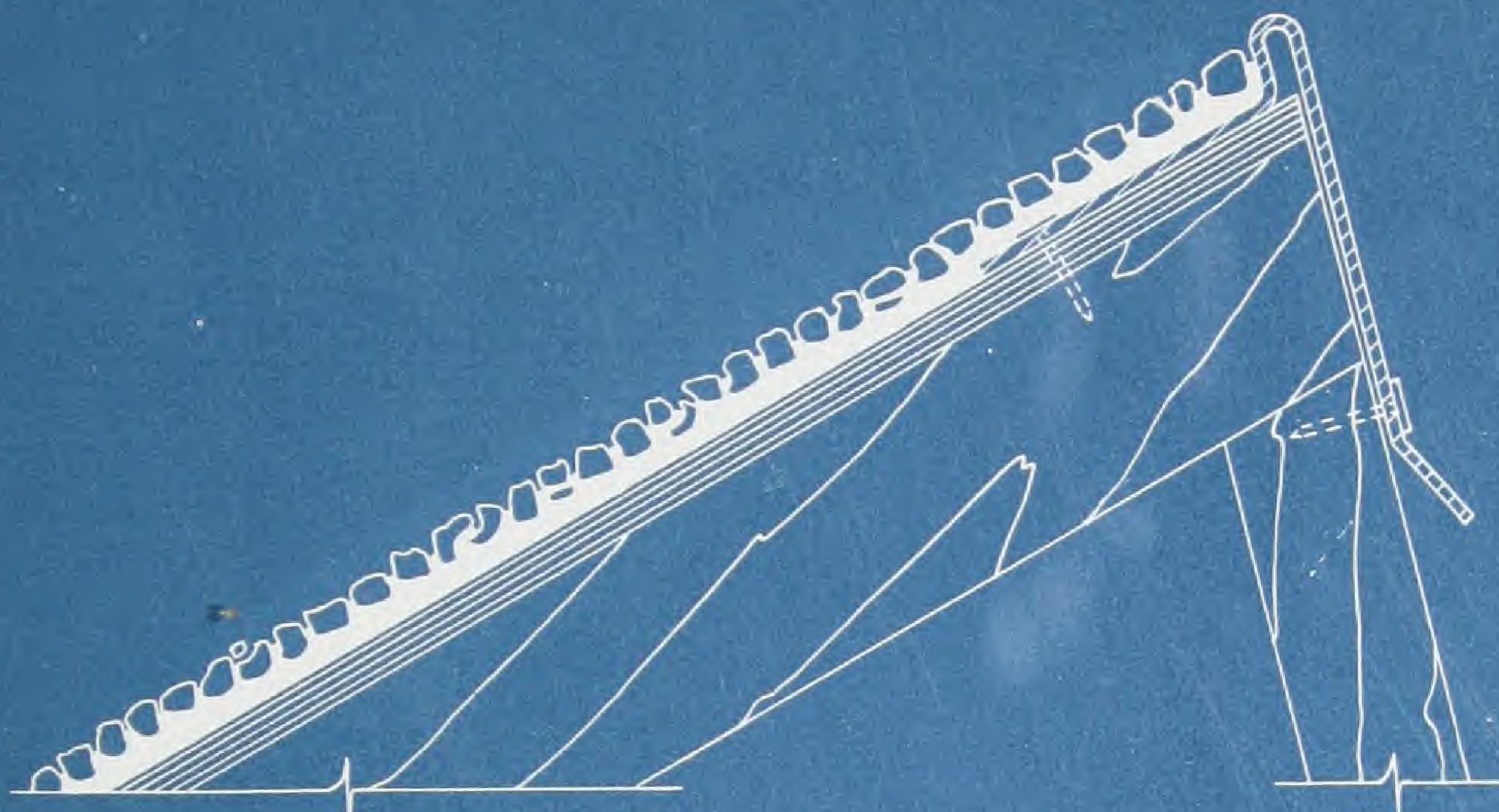


For Wood Roof Deck.

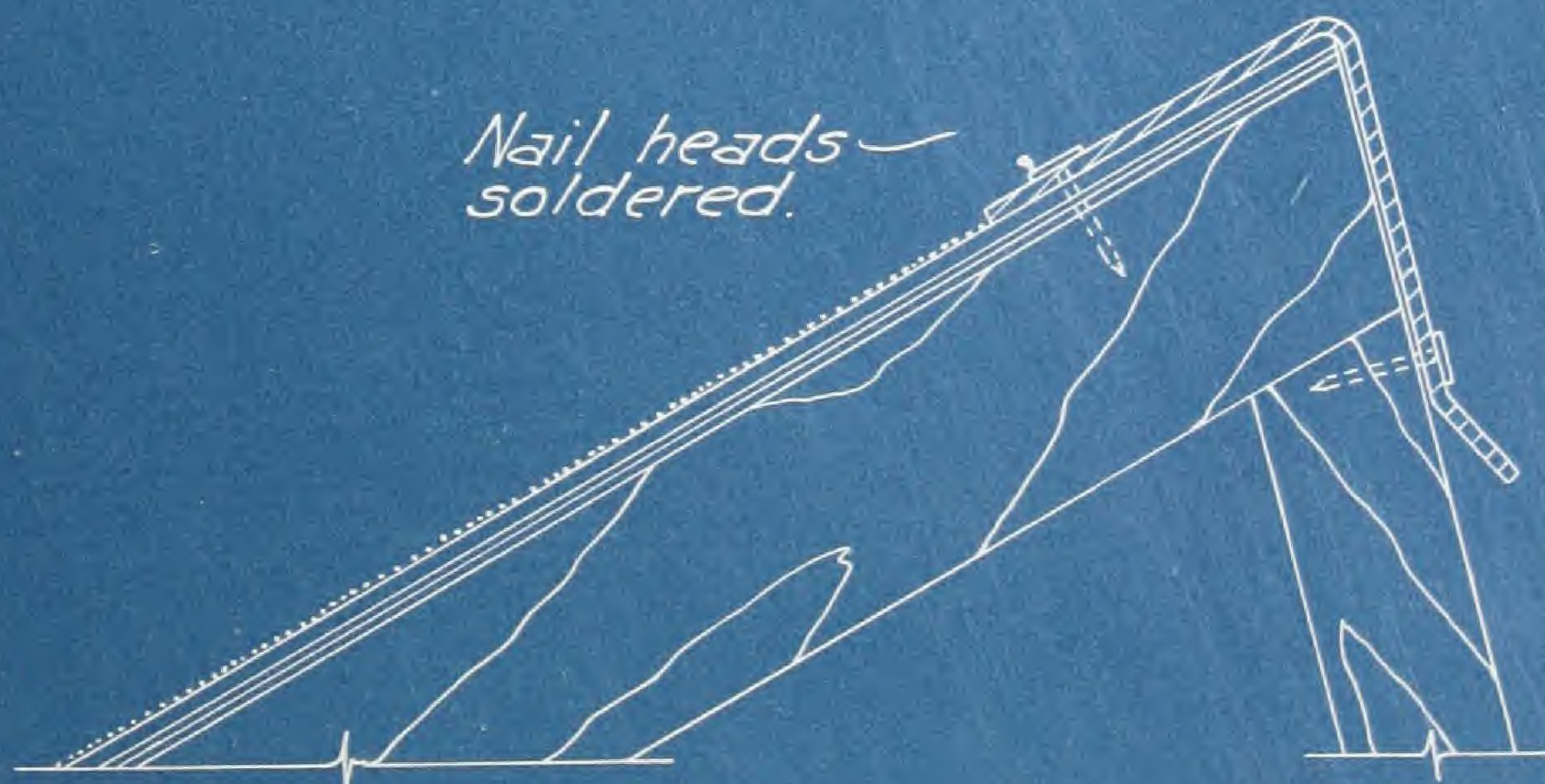


*Barrett* ROOF FLASHING SYSTEM  
METHOD OF FINISHING EDGES  
ON STEEP ROOF CONSTRUCTION

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*Method of using metal at edges  
where built-up slag roofing is used  
as roof covering.*

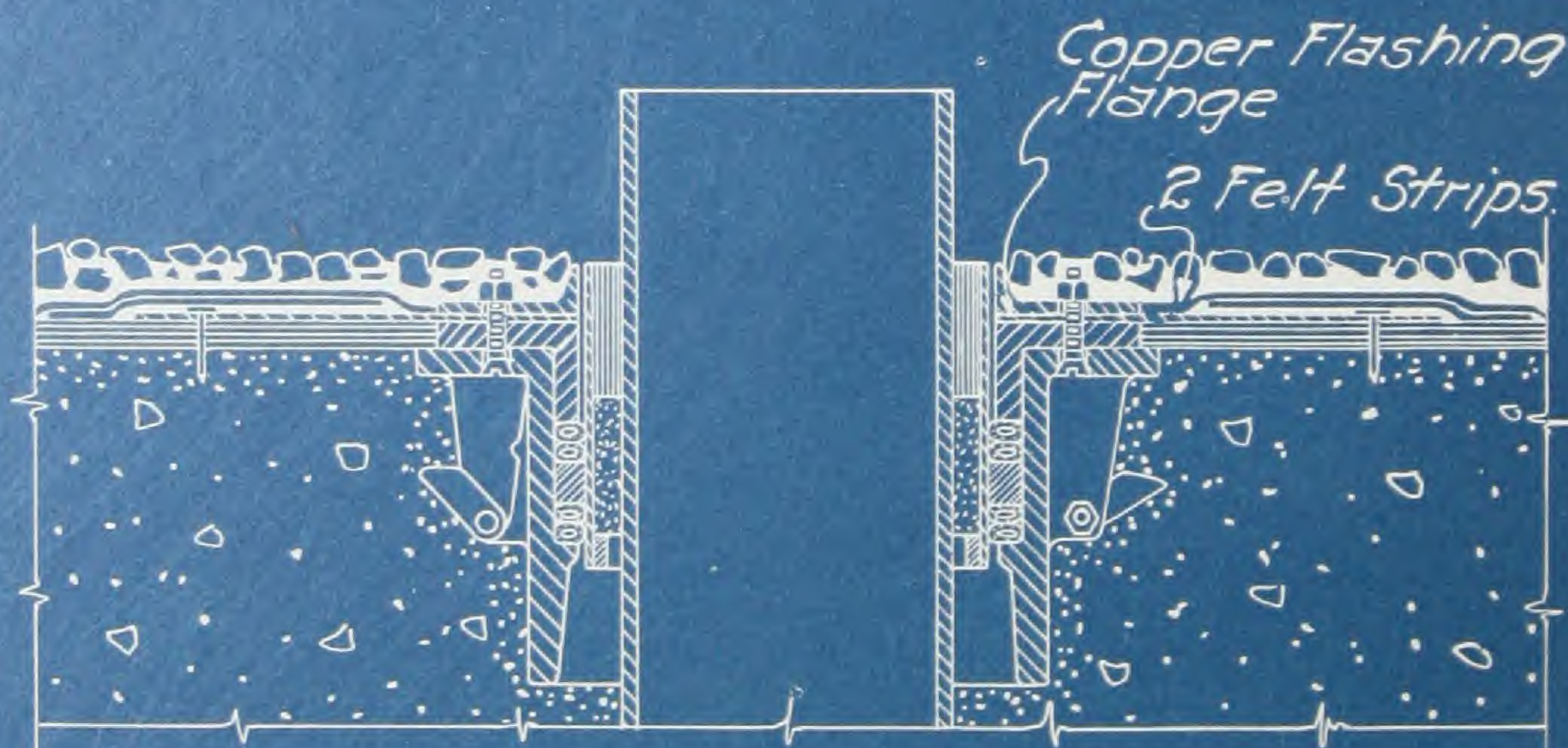
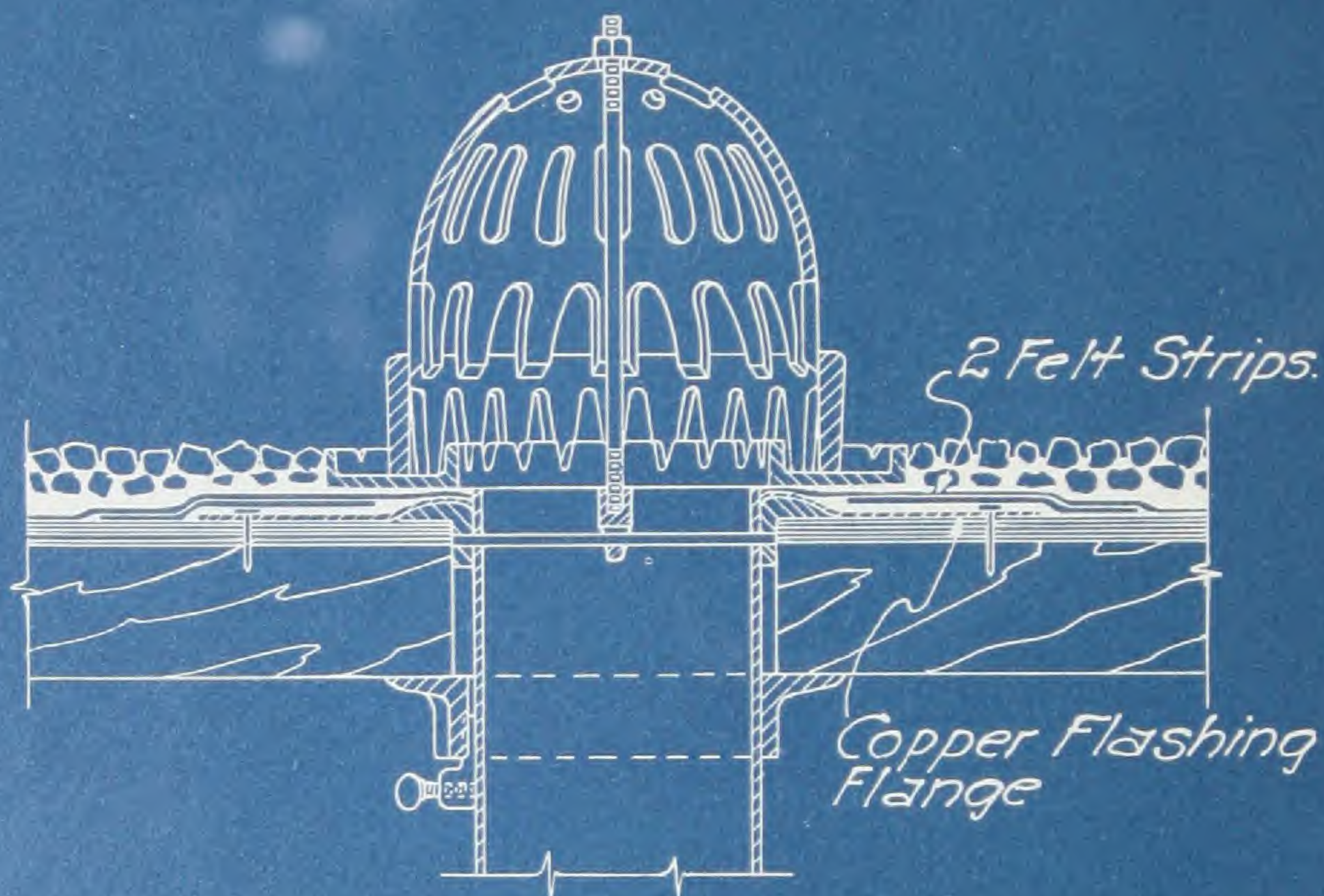


*Method of using metal at edges  
where built-up S.I.S. roofing is used  
as roof covering.*



*Barrett* ROOF FLASHING SYSTEM  
OUTLETS AND VENTS  
METHOD OF FLASHING

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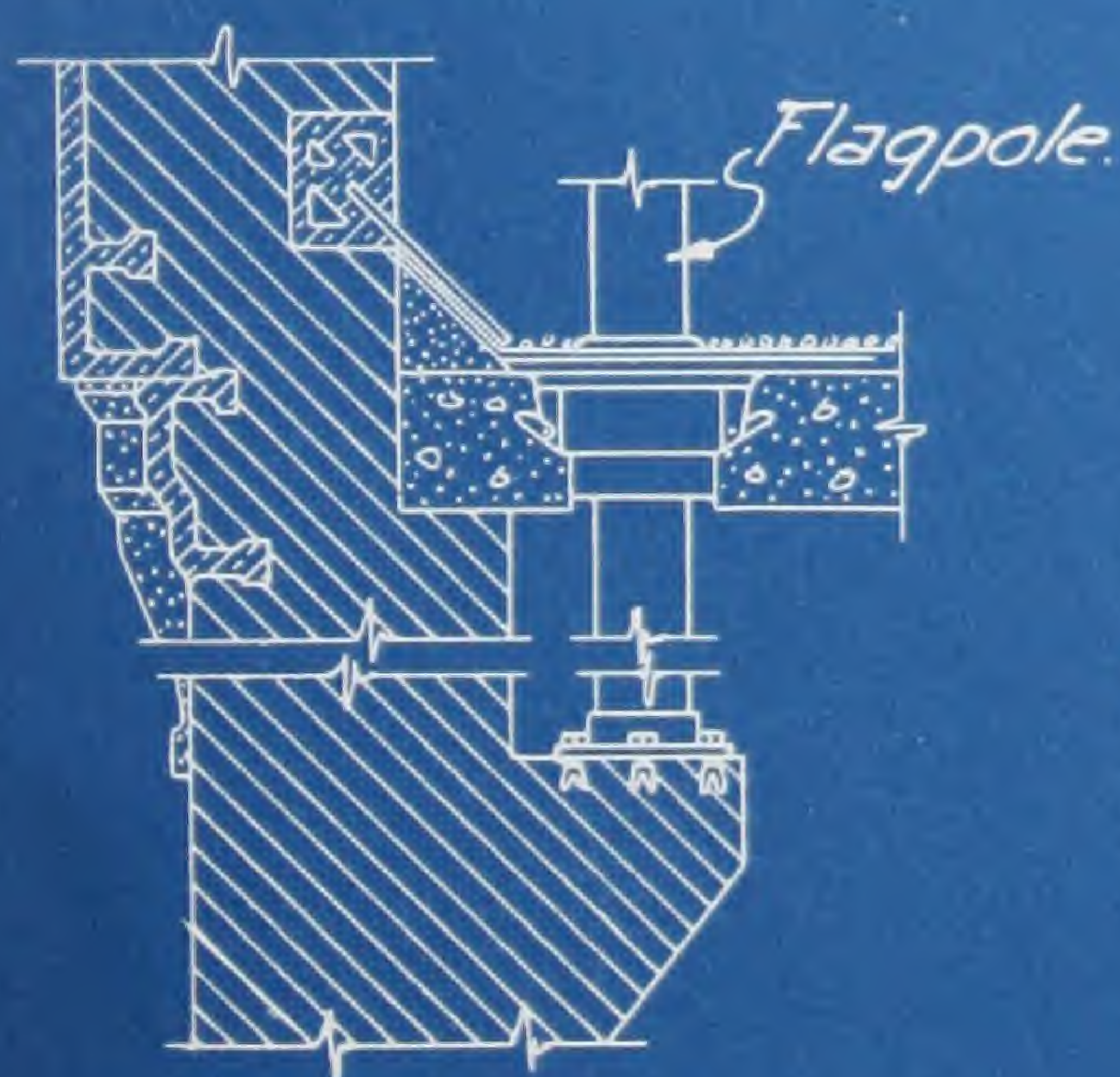
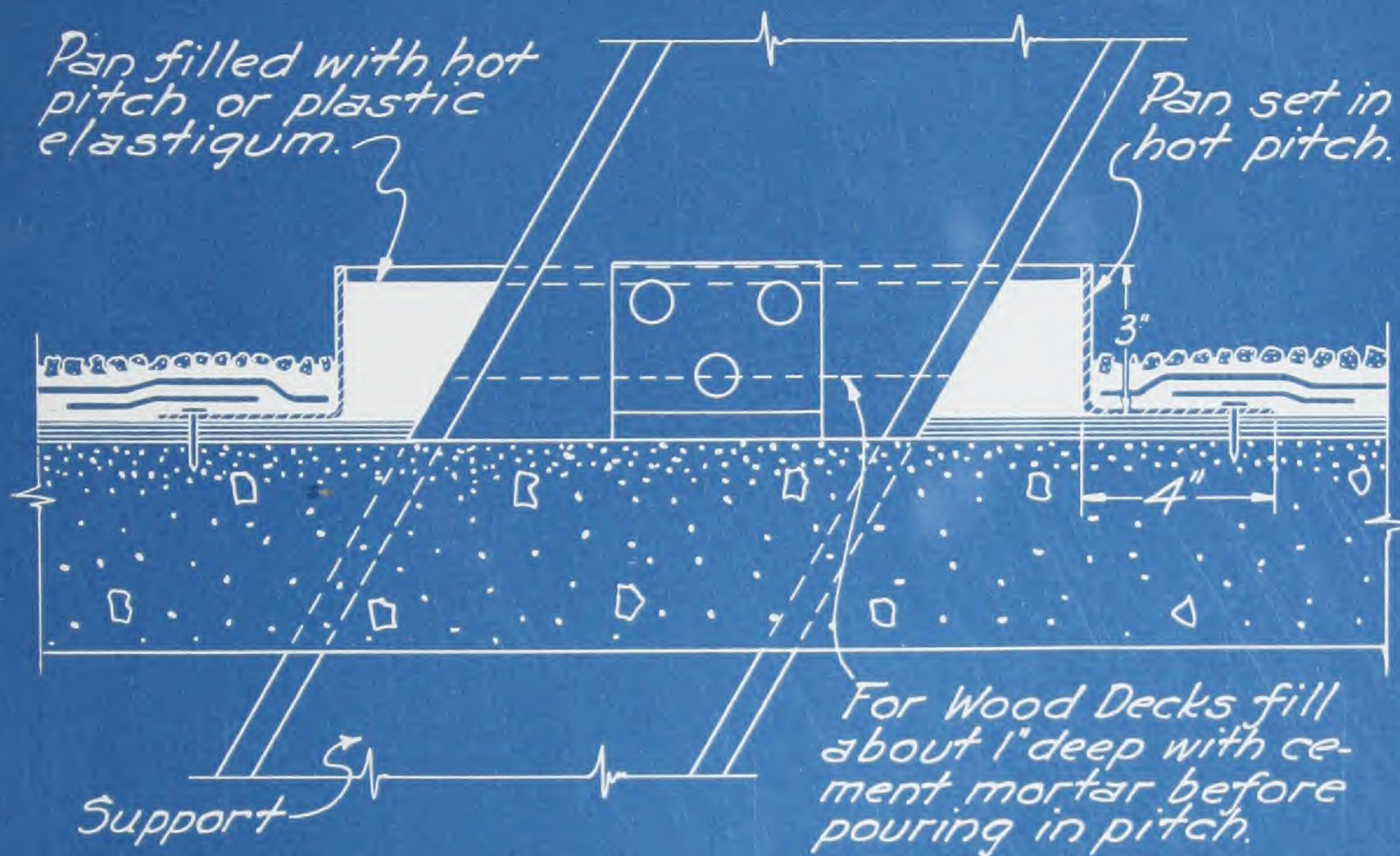


*See volume #4 for Roof  
Drainage details.*

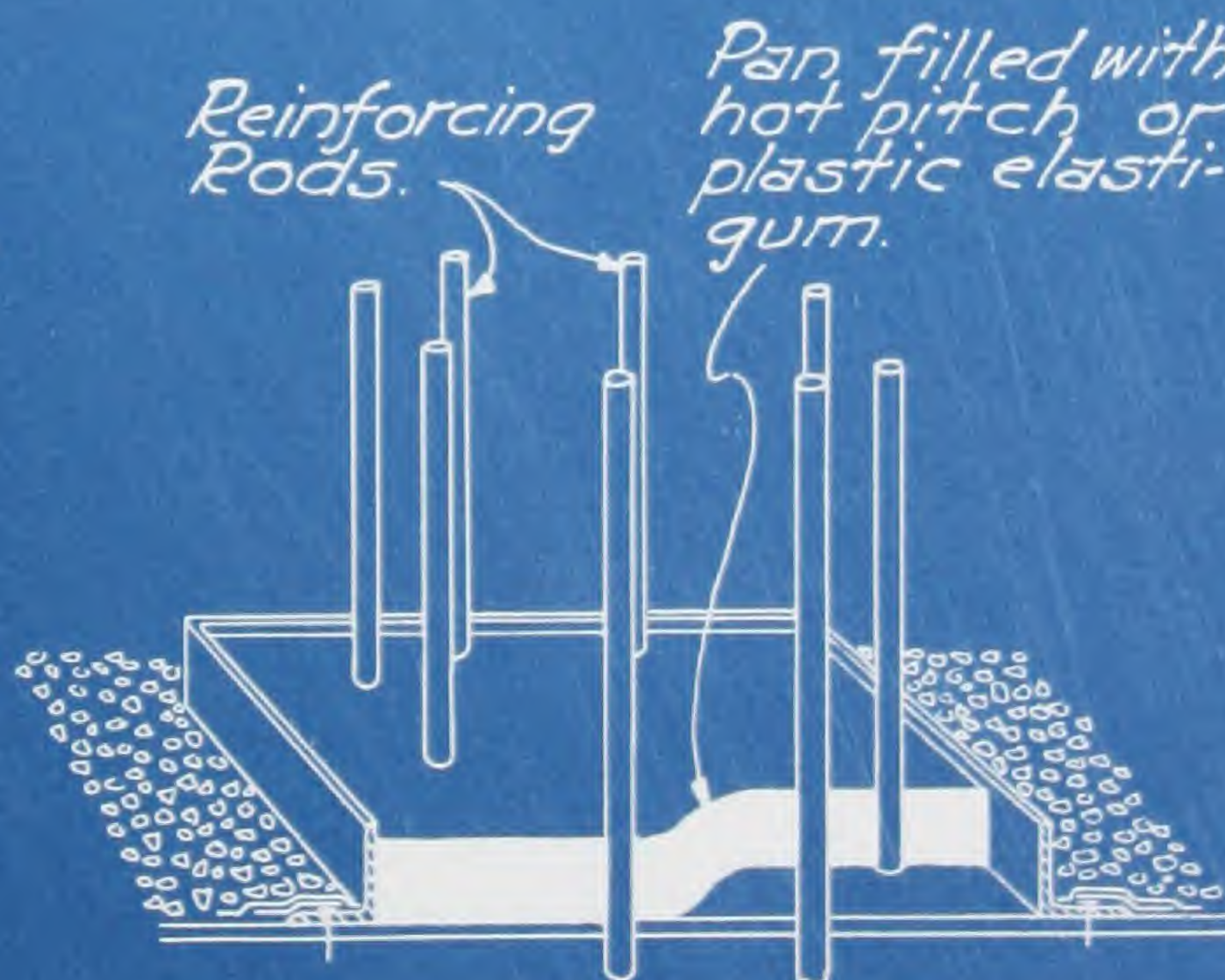


SUPPORTS, FLAGPOLES AND  
REINFORCING RODS

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*See volume #4 for  
roof connection  
details.*



*Paint exposed  
portion of rods  
with "Everjet."*

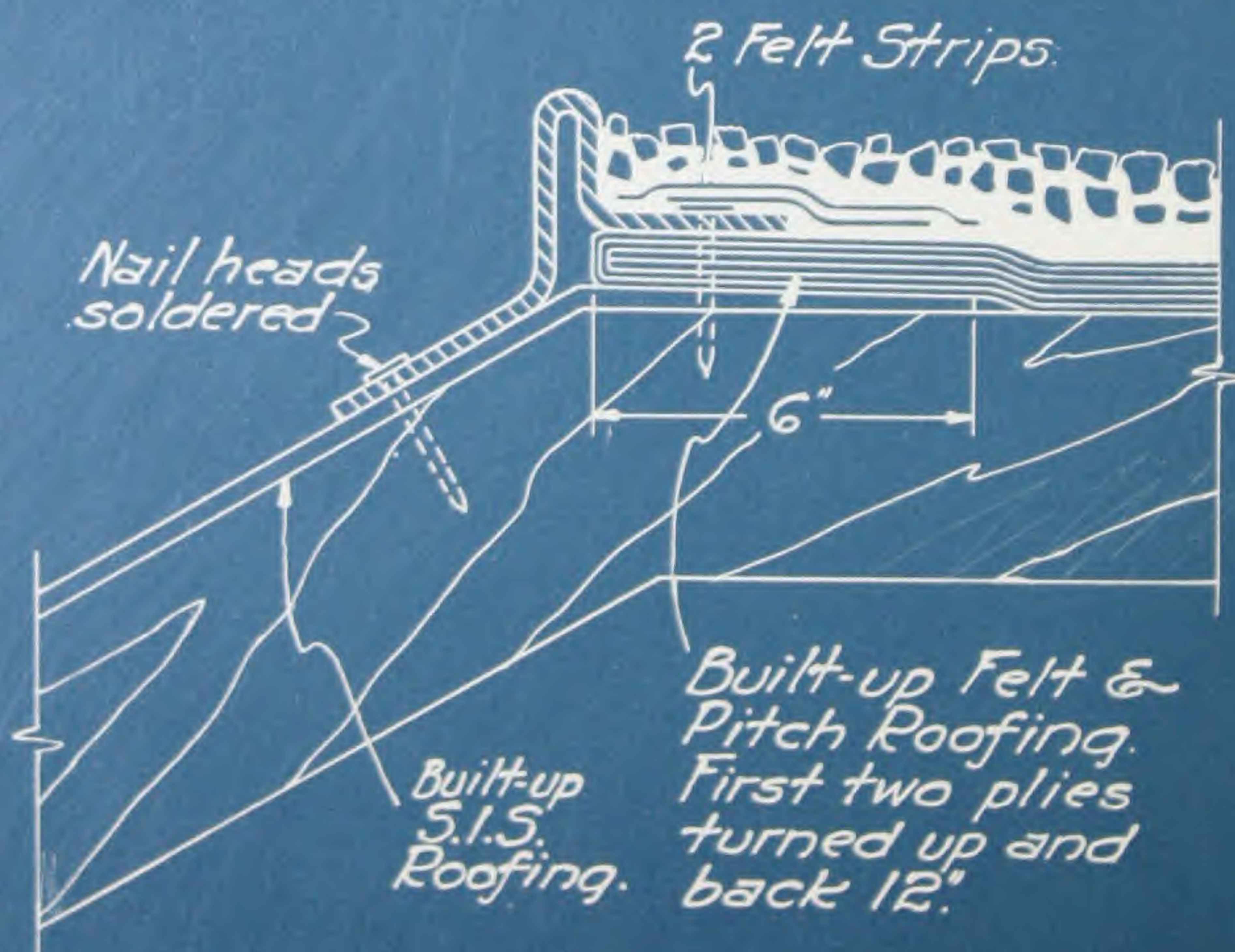


*Barrett* ROOF FLASHING SYSTEM  
METHOD OF JOINING FLAT AND  
STEEP ROOFING

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*Pitch, Felt and Gravel  
Built-up Roofing on flat  
section and in valleys  
in combination with S.I.S.  
on steep section. Also  
special type Metal Gravel  
Stop used in effecting  
connection between these  
two types of Roofing.*





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CCA



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CCA